

## CLIMATOLOGICAL DATA FOR MAY, 1913.

## DISTRICT NO. 6, MISSOURI VALLEY.

MONTROSE W. HAYES, District Editor.

## GENERAL SUMMARY.

There was great diversity in the weather of the different parts of the district, but in the main the conditions were favorable for farming and other outdoor pursuits. Freezing temperatures occurred in the early part of the month, except in Iowa, Kansas, and Missouri, but owing to the backwardness of vegetation no material damage resulted. In the western portion of South Dakota there was some loss of lambs on account of snow. During the last week of the month unusually hot weather prevailed, and the high temperature record for May was exceeded at many places. There was a period of excessively heavy rain over southeastern South Dakota, eastern Nebraska, northeastern Kansas, extreme northern Missouri, and western Iowa, but in western Kansas and most of that portion of Missouri south of the Missouri River the rainfall was deficient and crops were beginning to show the need of moisture at the end of the month.

A considerable number of severe local storms occurred. On the 14th a small tornado moved from about 10 miles south, and somewhat west, of McCool Junction, Nebr., northeastward to Germantown, Nebr. The storm passed mostly through a farming region, but it struck the northern portion of the town of Seward, destroying between 30 and 40 houses and killing 8 people. The total property loss was estimated at \$200,000. On the same day a tornado occurred at Council Bluffs, Iowa; it passed over practically the same territory that was visited by a tornado last Easter, but it was of small energy and caused only nominal damage. At Lebanon, Mo., a severe hail-storm occurred on the afternoon of the 17th. At 6 p. m. a dark cloud overspread the sky, and in 15 minutes the ground was white with hail; most of the stones were about the size of hazelnuts, but some of them were larger and measured three-fourths of an inch in diameter. The absence of wind prevented the breaking of glass in windows, but gardens and fruits were almost wholly destroyed. Banks of hail from roofs measured 18 inches in depth 24 hours after the storm. None of the characteristics of a tornado was present, and the storm did not extend much beyond the limits of the town. The rainfall amounted to 1.75 inches; most of the hail rebounded from the gauge and was not measured.

## TEMPERATURE.

The temperature was below the normal in Montana and the Dakotas; it was practically normal in Iowa, and was above the normal in the remainder of the district. The greatest deficiency was in Montana and the greatest excess was in Kansas. In the district as a whole the areas of excess and deficiency were about equal in extent. There was no well-defined period in which the lowest temperatures occurred, but in Kansas and Missouri the greater number of stations had the coldest day between the 10th and the 20th, and in most of the rest of the drainage area the temperature was lowest at some time during the first 10 days. There was very little damage by

freezing weather, and in Missouri and Kansas the temperature did not fall to  $32^{\circ}$ . In Kansas, with the exception of May, 1902, this was the only May of record in which the temperature at some station did not go below the freezing point. An abnormally warm period prevailed through most of the last week of the month, and temperatures of  $100^{\circ}$  or higher occurred in localities of all the States comprising the drainage area, except Montana, Wyoming, and Colorado; at many places a new record for high temperatures in May was established. The highest temperature for the whole district was  $107^{\circ}$  at Lincoln, Kans., and the lowest was  $2^{\circ}$  at Norris, Wyo.—in the Yellowstone Park.

## PRECIPITATION.

The precipitation was deficient in most of the district, but there was a well-defined region of excess embracing western Iowa, the northern counties of Missouri, extreme northeastern Kansas, and a large part of the States of Nebraska and South Dakota. In the eastern part of this region there were some unusually heavy rains; monthly totals of 9 inches or more occurred in several localities, and there were 24-hour falls of 2 inches at numerous stations. Most of the water was taken up by the soil and there was very little damage beyond a few washouts on roads in Kansas. Outside of the section of country in which the heavy rains occurred there was a very uneven distribution of the precipitation; at a few widely separated places monthly totals were above the normal, but as a rule they were deficient, and in some localities were as low as 10 and 12 per cent of the seasonal average. The rainy days were well scattered through the month, except in the lower part of the district, where the rains after the 21st were light and rather local. Notwithstanding the lack of the normal amount of precipitation in the greater part of the drainage area there appears to have been sufficient soil moisture, except in western Kansas, over the watersheds of the Gasconade and lower Osage Rivers, and along the Missouri River below Boonville, Mo., where there was considerable need of rain at the end of the month.

Snow fell in North Dakota, the Black Hills of South Dakota, extreme western Nebraska, and in all of the foothill and mountain country of the district.

## RIVERS.

Mountain streams were rising at the end of the month, as the snow at moderate elevations had begun to melt rapidly. The stages of the Missouri River and its principal tributaries above Kansas City ranged from slightly below to slightly above the normal. Below Kansas City the tributaries were low and the main stream was 1 to 2 feet lower than a 40-year average for the month. At St. Louis the Mississippi was about 3 feet lower than a 50-year average for May. In none of the streams except the very small ones was there the usual fluctuation in the water level.

TABLE 1.—Climatological data for May, 1913. District No. 6, Missouri Valley.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Wyoming.</i>																				
Arapahoe.	Fremont.	5,200	3								0.71	+ 0.61	0.40	2.0	6	24	1	sw.	Edw. L. Seymour.	
Basin.	Bighorn.	3,862	10	57.4	+ 0.8	90	28†	28	1	50	1.86	+ 0.61	1.63	12.0	3	17	5	nw.	O. J. Robertson.	
Big Creek Station.	Carbon.	7,500	2	49.0		761	23†	16	5	48	0.05		0.03	0.1	2	0	19	2	sw.	U. S. Forest Service.
Boyd.	Weston.	6,192	46.2			81	27	25	4†	41	1.96		0.51	1.1	13	11	8	nw.	Kirk Baker.	
Burns.	Laramie.	5,400	3	51.2	28†	80*	23†	24	6	41	2.55		1.00	1.0	9	12	3	10†	E. W. Bastian.	
Casper.	Natrona.	5,101	4																M. C. Cook.	
Centennial.	Albany.	8,074	10	49.4		74	12†	27	5	41	0.21		0.07	0.9	9	7	5	19	Louis A. Gregory.	
Cheyenne.	Laramie.	6,088	42	52.0	+ 1.0	81	27	28	2	34	2.22	- 0.21	0.55	T.	17	4	13	14	U. S. Weather Bureau.	
Chugwater.	Platte.	5,288	12	52.6	+ 1.7	84†	27	28	3	43	1.05	- 1.32	0.71	1.36	3	7b	6	6†	A. H. Woolever.	
Clark.	Park.	4,320	8	53.4		85	26	28	3	34	2.10		0.54	3.2	11	6	14	11	Chas. A. C. Snow.	
Cody.	do.	5,000	6	51.2		84	26	24	3	36	1.57		0.33		10	8	14	9	D. A. Tinkcom.	
Dome Lake.	Sheridan.	8,821	5	38.4		67	26	11	3	34	0.72		0.11	4.3	10				Abe Mills.	
Douglas.	Converse.	4,793	4	52.6		87	27	23	3	45	0.30		0.10	T.	4	21	4	6	Henry C. Miller.	
Dubois.	Fremont.	6,909	6	46.2		76	26	21	3	40	1.36		0.45	3.5	9	7	22	Dr. F. H. Welty.		
Eatons Ranch.	Sheridan.	4,600	8	51.1		82	26	28	5	35	0.36		0.20	2.0	3	13	8	10	F. A. Eaton.	
Echeta.	Campbell.	4,200	4											0.62	T.	5	18	6	M. R. Hunter.	
Elk Mountain.	Carbon.	8																Wm. Richardson.		
Encampment.	do.	7,322	4	50.6		80*	30	20	1	41	0.21		0.09	1.5	8	24†	1	sw.	U. S. Forest Service.	
Erway.	Natrona.	6,400	4	49.1		80	26	1	44	0.80		0.36	1.0	6	10	17	4	Frank Jameson.		
Fort Laramie.	Goshen.	4,270	35	55.2	- 0.3	94	27	28	15	48	1.53	- 0.78	0.58	T.	8	14	12	5	John Hunton.	
Foxpark.	Albany.	9,015	6	53.6		68†	26	12	3	33	0.35			3.0	3	3	9	U. S. Forest Service.		
Germany.	Bighorn.	4,312	2			86	26	21	2	41	0.58		0.18	0.5	11	12	15	4	J. W. Peper.	
Gillette.	Campbell.	4,546	7															M. H. Shields.		
Horse Creek.	Fremont.	8,000	1															U. S. Forest Service.		
Hunters Station.	Johnson.	8,000	7	41.8		72	27	9	3	35	2.58		0.34	19.0	11	11	5	15	w.	
Hyattville.	Bighorn.	4,632	14	56.3	+ 1.6	90	27	27	3	35	0.10		0.05	1.0	2	7	8	16	Do.	
Jireh.	Niobrara.	5,100	3												9	10	16	5	P. L. Ford.	
Kinnear.	Niobrara.			54.1		87	31	24	2	44	3.71		0.49	T.	5	9	16	6	John C. Hays.	
Kirtley.	Niobrara.			50.6		86	27	25	1	39	1.76		0.70	1.0	7	15	7	9	D. M. Zum-B-unnen.	
Kirwin.	Park.	9,187	4	37.2		57†	23	18†	14†	28†	3.79		0.80	27.7	11	15	7	9	C. L. Tewksbury.	
Knowles.	Crook.	4,500	4			89	27	29	3	44	2.99		2.60	0.3	12	10	9	6	Geo. A. Knowles.	
Lagrange.	Goshen.	4,728	3	54.8		83	28	26	3	37	2.20		1.73		7	18	8	5	Owen Shupp.	
Lander.	Fremont.	5,372	21	53.3	+ 1.3	83	28	26	3	40	1.20	- 1.70	0.62	4.0	11	7	16	8	U. S. Weather Bureau.	
Laramie.	Albany.	7,188	22	49.3	+ 2.7	77	26	20	3	40	0.19	- 1.31	0.05	T.	7	20	6	5	University of Wyoming.	
Leo.	Carbon.	6,878	11																C. A. Cowdin.	
Lolabama Ranch.	Park.	7,052	9	42.4		77	30	11	19	43	0.90		0.30	3.0	7	12	14	5	Mary E. Painter.	
Lovell.	Bighorn.	3,825	7																R. Fred Harrison.	
Lusk.	Niobrara.	5,007	22	52.5	+ 0.8	92	26	25	2	46	1.63	- 1.07	0.87	0	4	4	23	4	D. E. Goddard.	
Manville.	do.	5,050	3												6	10	10	4	L. C. Stoddard.	
Moorecroft.	Crook.	4,311	9	52.8		92†	27	27†	3	39†	2.06		1.00	T.	11	10	10	4	C. T. McCampbell.	
Moore.	Albany.	6,000	12	51.6	+ 2.0	85	27	27	2	41	0.91	- 1.32	0.20	0.4	11	2	19	10	Edwin Moore.	
Newcastle.	Weston.	4,319	6	54.8		92	29	26	3	42	1.38		0.41	0	6	8	14	9	Dr. S. W. Johnson.	
Pathfinder.	Natrona.	5,735	7	54.1	+ 1.2	82	26	27	1	39	0.83	- 1.02	0.37	T.	7	7	23	1	U. S. Reclamation Service.	
Pinebluff.	Laramie.	5,038	10	54.3	+ 1.9	85†	27†	30†	2	41†	2.14	- 0.22	0.70	1.7	9	17	6	8	C. L. Beatty.	
Pine Ridge.	Crook.														1	5	9	5	J. E. S. Altaffer.	
Powell.	Park.	4,376	5	53.6		85	26	21	3	39	0.71		0.16	2.0	10	4	17	6	U. S. Reclamation Service.	
Rawlins.	Carbon.	6,748	11	52.5	+ 2.5	82	26	21	3	42	0.43	- 1.17	0.14	T.	8	10	15	6	E. J. Ehrenfeld.	
Rock River.	Albany.	6,900																Rock Creek Conservation Co.		
Rockypoint.	Crook.																	P. Woxen.		
Saratoga.	Carbon.	6,785	15	52.8	+ 2.8	82	30	24	6	46	0.50	- 1.07	0.50	2.0	1	17	12	2	R. G. Hamilton.	
Seven-mile Creek.	Sheridan.														0.15	9	8	12	2	U. S. Forest Service.
Sheridan.	Park.	3,790	18	52.4	+ 1.5	87	27	26	3	42	1.52	- 1.80	0.36	0.7	13	7	13	11	U. S. Weather Bureau.	
Shoshone Dam.	Park.	5,385	7	52.6		84	26	22	1	40	1.43		0.35	0.5	13	6	15	10	U. S. Reclamation Service.	
Soldiers Home.	Johnson.	4,635	21															Joel C. Smiley.		
South Pass City.	Fremont.	7,795	11	45.4		74	26	21	6	41	1.11		0.30	0.6	11	8	17	6	sw.	
Sundance.	Crook.	4,750	9	50.0		88	27	26	1	34	2.05		0.80	0.3	7	6	18	7	Geo. W. Ashdown.	
Thermopolis.	Hot Springs.	4,350	9	55.2		87	27	28	3	43	1.34		0.42	4.5	10	11	14	6	A. L. Duhig.	
Thornton.	Weston.	4,452	1	61.8		90	28†	28	4	56	4.01		3.47	T.	4	14	4	17	Geo. H. Ferguson.	
Ulm.	Sheridan.	4,448	1	51.8		88	26	3	3	43	1.21		0.29	T.	10	9	15	7	W. H. Coleman.	
Verona.	do.	4,360	4															O. A. Roode.		
Wheatland.	Platte.	4,700	2	52.7		94	26	19	3	60	1.92		1.35	0.42	5.0	6	17	6	C. A. Rockwell.	
Wiant's Ranch.	Carbon.	7,400	3												0.95	6	7	11	Ira G. Wiant.	
Woodrock.	Sheridan.	8,500	2												0.64	3	4	8	U. S. Forest Service.	
Worland.	Washakie.	4,033	2	51.2		83†	31	27	3	36†	1.13		0.34	T.	8	10	16	5	Prof. B. C. Buffum.	
Wyncote.	Goshen.	4,186	6	54.6		86	27	25	3	44	3.02		1.10	0.9	3	25	3	15	U. S. Reclamation Service.	
Yellowstone Park.	Yellowstone Park.	6,200	25	46.0	+ 1.4	75	26	23	3	39	2.81	+ 0.90	0.89	6.9	15	5	11	U. S. Weather Bureau.		
Fairview Dome.	do.	7,000	8	44.2		84	26	19	15	51	4.01		1.23	4.5	11	8	7	16	s.	
Fountain.	do.	7,220	7	42.4		72	26	23	1†	40	1.80		0.50	5.7	7	6	10	15	sw.	
Gallatin.	do.	7,400	2												1.20	40	7	12	n.	
Grand Canyon.	do.	7,900	6	41.1		70	26	10	6	46	0.65		0.60	6.0	2	5	11	15	Do.	
Lake Yellowstone.	do.	7,733	9	39.6		67	31	9	3	35	2.68		0.60	15.6	11	8	5	18	Do.	
Norris.	do.	7,500	9	40.1		70	26	13	43	3.00		0.70	10.0	8	9	11	11	w.		
Riverside.	do.	6,500	7												0.40	2.2	14	5	20	Do.
Sylvan Pass.	do.	7,000	6	43.0		75	26	19	3	38	3.77		1.94	12.0	7	11	0			

TABLE 1.—*Climatological data for May, 1913. District No. 6—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.							Sky.	Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Number of partly cloudy days.	Number of cloudy days.			
<b>Montana—Continued.</b>																				
Cascade.	Cascade.	3,361	8	52.6	+ 0.4	87	26	22	1	39	2.23	- 1.31	0.69	6.0	12	4	22	5	sw.	Dr. E. E. James.
Chessman Reservoir.	Lewis and Clark.	6,275	4	42.4	- 3.7	77	26	15	1	37	1.98	- 0.15	0.52	14.5	16	15	2	14	sw.	C. D. Schmidt.
Chester.	Hill.	3,140	9	50.2	- 3.7	89	24	22	4	44	1.49	- 1.36	0.80	0	4	12	16	3	w.	C. F. Baker.
Chinook.	Blaine.	2,502	14	51.2	- 4.3	86	30	21	1	39	1.94	- 0.54	0.74	0	8	12	12	7	w.	T. O' Hanlon Co.
Clearcreek.	do.	7																	Cortez Sedgewick.	
Clydepark.	Park.	5,027	1	49.1	-	83	26	22	1	41	2.27	-	0.52	7.0	11	7	11	13	nw.	Frank Taylor.
Conrad.	Teton.	52.4	-	82	27†	30	6†	40	1	22	1.22	-	0.27	0	9	16	6	9	w.	Robert J. Kelly.
Copper.	Meagher.	8									1.94	-	0.51	5.0	12	14	9	8	w.	Orville Harris.
Crow Agency.	Big Horn.	3,041	30	56.0	- 0.2	90	27	31	3	45	1.26	- 1.23	0.70	0	4	7	17	7	w.	Harry Throssell.
Culbertson.	Sheridan.	1,927	10	52.0	- 3.3	95	27	25	2†	47	2.35	-	0.18	0.75	10.0	9	7	17	w.	G. H. Coulter.
Cut Bank.	Teton.	3,700	14	49.0	+ 0.1	82	26	18	1	39	1.50	- 1.36	0.50	0	5	20a	7a	3a	w.	Chas. N. Thomas.
Denton.	Fergus.	3,500	4	51.0	-	86	26†	22	1	35	2.54	-	0.70	2.0	13	13	9	9	w.	P. J. Griesenauer.
Dillon.	Beaverhead.	5,147	15	50.2	- 0.8	81	28†	32	1†	39	2.73	- 0.59	0.62	T	13	14	6	11	sw.	Prof. J. E. Monroe.
Dry Wolf Camp.	Cascade.	6,000	4																Mrs. Harriet R. Eveleth.	
Dunkirk.	Teton.	3,293	1								1.52	-	0.33	0	10	19	6	6	sw.	B. C. Protzman.
Ekalaka.	Custer.	12	51.8	- 1.1	90	27	25	1†	43	1.48	- 0.85	0.62	1.4	11	6	7	18	nw.	William Freese.	
Fallon.	do.	2,208	8	54.6	-	91	27	25	5	40	1.72	-	0.75	0	8	14	10	8	w.	Mrs. A. C. Gifford.
Findon.	Meagher.	6,000	1	45.8	-	78	27	18	1	34	3.02	-	1.01	5.1	17	12	5	14	w.	Lewis Cameron.
Flathead Creek.	Gallatin.	6,000	2	46.3	-	80	27	13	1	39	2.71	-	0.74	6.7	12	5	12	14	sw.	Alta Williams.
Forsyth.	Rosebud.	2,514	6	55.4	-	96	27	28	5	45	2.67	-	0.83	0	8	11	8	12	nw.	H. Mackenzie.
Fort Benton.	Chouteau.	2,630	33	54.7	- 0.2	87	27	30	2†	42	1.46	-	0.51	0	10	14	7	15	sw.	Jere Sullivan.
Fort Shaw.	Cascade.	3,500	24	51.2	- 0.7	85	26	19	1	38	1.06	- 1.00	0.24	3.0	11	4	12	15	sw.	U. S. Reclamation Service.
Foster.	Big Horn.	3	54.8	-	89	27	32	4†	44	1.46	-	0.60	5.4	10	14	7	15	ne.	E. K. Bowman.	
Garnell.	Fergus.	5,500	4	44.2	-	81	26†	14	2	36	2.73	-	1.10	17.6	9	5	14	12	sw.	Thos. E. Scally.
Geyser.	Cascade.	4,147	5	55.4	-	84	27	30	3	22	3.04	-	0.88	0	12	11	8	12	sw.	I. G. Finrock.
Glasgow.	Valley.	2,092	16	51.0	- 6.9	91	27	18	1	40	2.07	- 0.60	0.66	0	7	16	7	8	w.	W. M. Leonard.
Glenidive.	Dawson.	2,069	23	54.0	- 2.9	93	27	20	5	42	1.34	- 1.29	1.08	T	5	8	13	10	e.	E. C. Leonard.
Goldbutte.	Hill.	5	49.0	-	82	26†	15	1	42	1.10	-	0.30	2.0	10	13	5	5	w.	Joseph Berthelote.	
Graham.	Custer.	7	52.6	-	90	27	28	3†	41	1.75	-	0.39	T	11	17	6	8	nw.	J. S. Rue.	
Great Falls.	Cascade.	3,350	21	52.4	- 1.7	86	30	27	1	36	1.77	- 0.83	0.61	7.5	14	13	10	8	e.	S. H. Bauman.
Harlowton.	Meagher.	4,165	5																Joseph Muir.	
Havre.	Hill.	2,505	33	51.6	- 2.5	85	27	22	1	34	1.80	- 0.29	0.87	T	9	9	12	10	e.	U. S. Weather Bureau.
Hebgen Dam.	Gallatin.	6,700	7	46.0	-	76	26	21	2	39	2.35	-	0.86	T	9	1	17	13	s.	T. I. Carson.
Helena.	Lewis and Clark.	4,110	33	51.4	- 0.2	87	26	24	1	34	2.00	+ 0.05	0.56	4.3	12	2	13	16	sw.	U. S. Weather Bureau.
Hightwood.	Chouteau.										2.38	-	0.60	5.4	10	12	9	10	sw.	W. S. McCord.
Huntley.	Yellowstone.	3,014	7	53.8	-	90	26	29	1	42	1.39	-	0.31	0	10	15	7	9	w.	U. S. Reclamation Service.
Jordan.	Dawson.	7	55.4d	-	92d	27	23d	5	40	1.57	-	0.60	0	6	20d	0d	7d	ne.	W. C. Henderson.	
Knobles Ranch.	Hill.	2									1.48	-	0.39	1.5	8	13	5	13	w.	F. H. Knobles.
Lewistown.	Fergus.	4,010	15	49.2	- 1.2	85	26†	20	1	38	2.26	- 1.05	0.87	2.0	11	13	6	12	w.	W. W. Watson.
Lonetree.	Chouteau.	3,280	7	50.0	-	83	30	22	1	37	2.40	-	0.70	8.8	7	16	11	4	w.	E. Wilson.
Lothair.	Hill.	3,301	1	50.2	-	88	27	11	1	38	1.90	-	1.00	T	9	20	3	8	w.	James H. Whiteley.
Lytle.	Chouteau.	1	50.0	-	82	26	19	1	34	1.32	-	0.38	0.5	11	18	7	6	sw.	J. F. Fait.	
Malta.	Valley.	2,240	6	54.8*	-	92*	27	20*	1	42	2.97	-	0.65	0	8	13d	11d	3d	w.	U. S. Reclamation Service.
Medicine Lake.	Sheridan.	2,506	2	50.6	-	93	27	17	6	46	1.42	-	0.48	1.2	9	18*	9*	sw.	J. S. Collier.	
Melstone.	Musselshell.	2,903	1	55.5	-	93	27	28	1	38	1.76	-	0.45	0	7	15	12	4	sw.	W. C. Greening.
Mildred.	Custer.	4									2.20	-	0.77	T	11	11	17	3	se.	Leon B. Clark.
Miles City.	do.	2,371	21	56.4	- 0.3	92	27	31	5	35	2.52	+ 0.54	0.73	T	11	10	17	4	ne.	U. S. Weather Bureau.
Norris.	Madison.	4,845	6	52.6	-	87	28	23	1	38	0.96	-	0.46	0	13	6	8	17	s.	Madison River Power Co.
Olsen Creek.	Jefferson.	6,345	4									-	0.40	0.8	12	10	10	11	w.	Robert Olsen.
Pinegrove.	Musselshell.	1									2.24	-	0.82	1.0	11	12	11	8	w.	G. W. White.
Pipestone Pass.	Jefferson.	7,000	4									-	0.38	0	12	18	2	11	nw.	Mrs. T. Kelmeyer.
Plevna.	Custer.	2,757	1	51.2	-	90	27	25	6	41	1.56	-	0.70	1.0	17	9	5	n.	C. C. Conser.	
Poplar.	Sheridan.	2,020	27	53.7	- 2.4	94	27	21	1	43	1.87	- 0.12	0.12	4	10	9	14	1	sw.	H. M. Cosier.
Red Lodge.	Carbon.	5,548	13	46.8	- 1.3	82	27	21	3	40	1.11	- 3.60	0.22	2.0	10	8	13	10	se.	I. A. Draper.
Renova.	Jefferson.	4,383	14	51.7	- 0.2	85	26	18	1	48	2.14	- 0.11	0.65	T	9	13	8	10	sw.	F. B. Elmer.
Ryegate.	Musselshell.	3,640	3								2.24	-	0.82	1.0	11	12	11	8	w.	H. Scherfenberg.
Savage.	Dawson.	2,050	7	53.0	-	94	27	26	5	44	1.78	-	0.51	4.0	8	13	10	8	w.	U. S. Reclamation Service.
Shelby.	Teton.	3,276	1	50.4	-	84	28	14	1	40	1.47	-	0.35	0	6	15	5	11	sw.	Fred W. Arndt.
Sidney.	Dawson.	2									1.57	-	0.42	0	10	13	15	3	sw.	Mrs. H. L. Miller.
Springbrook.	Blaine.	11	53.3	- 0.7	90	27	20	1	60	1.80	- 1.07	0.82	T	8	11	11	9	w.	C. R. Noyes.	
Sunlit Farm.	Blaine.	1	48.6	-	84	27	13	1	35	1.73	-	0.55	0	8	12	9	10	w.	U. S. Reclamation Service.	
Sun River Canyon.	Teton.	4,650	1								1.93	-	0.41	0	12	23	4	4	w.	C. E. Adams.
Three Forks.	Gallatin.	4,066	2	53.8	-	90	26	22	1	47	2.78	- 0.07	0.53	3.5	13	18	11	2	w.	P. W. Korell.
Utica.	Fergus.	5,000	18	48.2	- 1.9	85	26	21	4	37	2.60	-	1.21	0	5	19	5	7	w.	P. M. Bean.
Valentine.	do.	6	52.1	-	90	27	17	1	40	1.52	-	0.31	0.8	9	10	6	15	w.	R. M. Templeton.	
Valler.	Teton.	1	49.0	-	81	26	18	1	39	1.57	-	0.42	0	10	13	15	3	sw.	D. I. Doty.	
Wall Rock Mountain.	Broadwater.	5,600	4	52.4	-	85	27†	19	1	37	2.87	-	0.89	0	11	7	12	12	ne.	P. O. Baldord.
White Ranch.	Custer.	1									2.27	-	0.82	T	12	17	2	12	nw.	Glen A. White.
White Sulphur Springs.	Meagher.	5,280	1	48.0	-	81	27	17	1	37	1.39	-	0.31	7.0	11	1	23	7	sw.	P. R. Wild.
Wilder.	Fergus.	2	53.0	-	93	27	22	1†	44	2.12	-	0.90	T	7	11	9	9	w.	J. Rogers.	
Wolf Creek.	Lewis and Clark.	4,000	9	52.2	+ 1.8	88	26	20	1	38	2.40	- 0.02	0.60	0	14	5	14	12	w.	A. J. Reed.
<b>North Dakota.</b>																				
Aplin.	Oliver.	6	51.0	-	93	28	23	3	47	2.09	-	0.88	1.0	10	6	10	15	nw.	J. C. Hagelbarger.	
Arnegard.	McKenzie.	1										-	0.25	0.75	0	6			nw.	A. B. Waterman.
Ashley.	McIntosh.	16	51.9	- 1.6	91b	27	17b	4	44*	1.91	-	0.47	0	8	15	8	8	se.	R. C. Miles.	
Beach.	Golden Valley.	2,576	7	50.7	-	93	27	22	5	43	1.59	-	0.68	0	5	17	0	14	w.	D

TABLE 1.—Climatological data for May, 1913. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.								Precipitation, in inches.								Sky.	Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of partly cloudy days.	Number of cloudy days.					
<i>North Dakota—Contd.</i>																						
Marstonmoor.	Stutsman.	4	49.7	.....	91	27	17	6	41	1.02	.....	0.25	T.	7	.....	.....	.....	.....	.....	ne.	H. H. McCumber.	
Medora.	Billings.	2,225	19	53.2 + 0.5	100 <sup>b</sup>	27	25 <sup>b</sup>	24	48 <sup>b</sup>	1.11	- 1.49	0.41	T.	4	.....	.....	.....	.....	.....	nw.	Frank Gotschall.	
Melville.	Foster.	1,590	15	50.4 - 3.0	91	26	21	5	41	1.82	0.67	0	10	8	7	16	.....	.....	nw.	J. P. Kidder.		
Mott.	Hettinger.	6	50.4	.....	94	27	18	3	44	1.17	- 1.29	0.40	T.	9	7	5	19	.....	se.	O. H. Opland.		
Napoleon.	Logan.	1,955	21	49.8 - 3.0	94	27	23	6	44	2.12	- 0.13	0.59	0	10	5	14	12	.....	se.	C. J. Hoof.		
New England.	Hettinger.	2,400	19	51.6 + 0.2	91	27	26	2	43	1.52	.....	1.04	0	5	8	17	6	.....	ne.	J. M. Connolly.		
New Rockford.	Eddy.	1,531	2	52.0	94	27	25	5	38	2.30	.....	1.02	1.0	7	9	7	15	.....	nw.	J. V. M. Sundberg.		
New Salem.	Morton.	2,163	8	51.4	.....	90	27	25	5	38	2.30	.....	0.54	1.5	9	11	10	.....	nw.	J. Christiansen.		
Orange.	Adams.	4	49.8	.....	91	27	19	6	41	1.92	.....	0.91	1.0	10	16	4	11	.....	nw.	J. E. Goforth.		
Ranger.	Billings.	16	49.5 - 4.4	94	27	28	9	38	1.19	- 1.20	1.05	T.	3	8	18	5	.....	.....	nw.	H. S. Wood.		
Steele.	Kidder.	1,857	1	51.7	93	27 <sup>b</sup>	24	6	44	1.58	.....	0.43	6	10	7	14	.....	.....	nw.	E. G. Ranum.		
Turtle Lake.	McLean.	do.	1,734	15	53.1 - 0.4	94	27	25	6	51	1.77	- 0.61	0.75	0	5	8	16	7	w.	W. R. Peterson.		
Washburn.	Williams.	1,875	34	51.9 - 2.4	93	27	24	6	42	0.85	- 1.41	0.31	0.1	13	2	15	14	.....	se.	U. S. Weather Bureau.		
<i>South Dakota.</i>																						
Aberdeen.	Brown.	1,300	23	54.0 - 2.0	94	27 <sup>b</sup>	26	6	44	4.05	+ 0.18	1.15	0	15	12	3	16	.....	ne.	D. G. Gallett.		
Academy.	Charles Mix.	14	57.0 - 1.5	95	28	33	3	41	2.57	- 0.64	0.48	0	13	13	6	12	.....	ne.	I. T. Lothrop.			
Alexandria.	Hanson.	1,352	25	57.8 + 0.3	93	28 <sup>b</sup>	31	6	43	5.67	+ 2.36	2.70	0	10	10	11	10	.....	se.	C. H. Stillwell.		
Armour.	Douglas.	1,521	18	55.6 - 3.1	92	27 <sup>b</sup>	28	6	48	2.60	- 0.79	0.60	0	7	.....	.....	.....	.....	n.	T. J. Markey.		
Belle Fourche.	Butte.	3,000	5	54.4	.....	95	26	25	9	47	2.13	.....	0.55	0	11	1	20	10	.....	se.	U. S. Reclamation Service.	
Blunt.	Hughes.	1,621	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.50	0	11	0	15	16	.....	nw.	James A. Howard.		
Britton.	Marshall.	1,354	24	53.6	93 <sup>b</sup>	27 <sup>b</sup>	28 <sup>b</sup>	6	39 <sup>b</sup>	3.12	.....	0.75	0	11	13	8	10	.....	n.	W. S. Given.		
Brookings.	Brookings.	1,636	24	54.4 - 0.8	89	27	27	19	33	3.50	+ 0.27	1.03	0	14	17	1	13	.....	ne.	Experiment Station.		
Camp Crook.	Harding.	3,000	20	50.8 - 3.5	91 <sup>b</sup>	27	26 <sup>b</sup>	3	43 <sup>b</sup>	2.63	+ 0.51	0.77	0.5	10	12	11	8	.....	nw.	U. S. Forest Service.		
Canton.	Lincoln.	1,248	18	55.4 - 2.8	91	29	28	6	42	5.62	+ 1.92	1.42	0	10	14	7	10	.....	se.	John H. Holsey.		
Cascade Springs.	Fall River.	3,422	49.6	.....	94 <sup>b</sup>	27	23 <sup>b</sup>	3	47 <sup>b</sup>	2.52	.....	1.07	0	8	10	11	10	.....	se.	Fred Noerenberg.		
Castlewood.	Castelwood.	1,685	8	53.0	90	27	26	6	41	3.54	.....	0.83	T.	15	2	6	23	.....	nw.	M. N. Bradley.		
Centerville.	Hamlin.	1,229	16	55.9	94	29	36	10 <sup>b</sup>	40	5.57	+ 1.64	1.29	0	12	6	11	14	.....	se.	Frank Williams.		
Clark.	Clark.	1,779	21	55.6	93 <sup>b</sup>	27 <sup>b</sup>	28 <sup>b</sup>	6	39 <sup>b</sup>	3.12	.....	1.12	0	11	9	9	13	.....	ne.	O. H. La Craft.		
Cottonwood.	Stanley.	2,414	5	55.6	94	27	29	3	45	2.95	.....	1.06	0	8	9	13	9	.....	ne.	Experiment Station.		
Davidson.	Custer.	5,316	1	51.2	.....	86	28 <sup>b</sup>	25	6	39	2.73	.....	0.97	2.0	13	10	11	10	.....	ne.	R. P. Innes.	
Deadwood.	Lawrence.	4,535	4	49.6	.....	92	27	24	30	43	3.10	.....	1.00	0	8	6	5	19	7	nw.	Dyson Byers.	
Deerfield.	Pennington.	6,000	4	54.4	.....	92	27	24	30	43	3.10	.....	0.55	0	6	12	10	10	.....	ne.	R. E. Grimshaw.	
De Smet.	Kingsbury.	1,726	20	52.8 - 2.5	89	27	28	6	40	4.19	- 1.35	1.02	0	11	0	23	8	.....	ne.	Frank E. Miller.		
Dowling.	Stanley.	2,250	4	54.9	95	27	30	3	40	4.80	.....	2.10	0	10	9	14	8	.....	nw.	W. E. White.		
Dumont.	Lawrence.	6,195	4	51.5	94	28	29	3	34	2.36	.....	0.73	0.9	12	8	10	13	.....	nw.	M. P. Dowling.		
Eagle Butte.	Deweys.	2,415	1	53.7	93	28	25	3	38	2.86	.....	0.88	0	10	9	17	5	.....	ne.	A. B. Wood.		
Eales.	Potter.	2,415	2	52.7	94	28	25	6	49 <sup>b</sup>	3.61	.....	0.54	T.	11	6	6	15	.....	ne.	Dr. John F. Chandler.		
Elk Mountain.	Custer.	4,700	4	51.6	90	27	21	6	41	2.02	.....	1.26	0	6	9	12	10	.....	nw.	A. H. Peterson.		
Ellington.	Perkins.	1	51.6	.....	90	27	21	6	41	2.02	.....	0.81	1.0	10	9	14	8	.....	nw.	James E. Blaine.		
Englewood.	Lawrence.	5,723	4	52.4	92	27	21	3	43	1.97	.....	0.50	0	10	4	19	8	.....	n.	Carl G. Moen.		
Eureka.	McPherson.	1,884	4	52.4	92	27	21	3	43	1.97	.....	0.50	0	10	4	19	8	.....	n.	W. P. Wagner.		
Fairfax.	Gregory.	9	57.4	94	27 <sup>b</sup>	32	3	45	2.65	.....	0.80	0	9	17	9	9	16	.....	ne.	Experiment Station.		
Faith.	Meadow.	2,560	54.6	93	27	28	3	41	2.38	.....	0.55	0	11	2	13	16	.....	ne.	U. G. Stevenson.			
Faulkton.	Faulk.	1,595	18	54.4 - 1.7	90	27	27	6	38	5.14	+ 2.60	2.24	0	12	12	7	12	.....	ne.	Robert R. Saul.		
Flandreau.	Moody.	1,565	23	55.0 - 1.2	90	29	32	6	41	4.47	+ 0.54	1.80	0	12	7	9	15	.....	ne.	Miss Belle Talcott.		
Forestburg.	Sanford.	1,231	21	57.7 + 0.1	94	28 <sup>b</sup>	33	19	48	5.10	+ 2.36	1.17	0	14	9	9	13	.....	ne.	D. R. McLean.		
Fort Meade.	Meade.	3,624	30	51.3 - 3.6	89	28	29	3	34	3.10	- 1.08	1.00	0	7	12	1	18	.....	ne.	S. S. Judy.		
Frederick.	Brown.	1,371	4	54.2	94	29	25	6	49 <sup>b</sup>	3.61	.....	0.95	0	7	13	11	7	.....	ne.	Post Office.		
Greenmont.	Lawrence.	6,430	4	58.8 - 1.8	95	28 <sup>b</sup>	35	6	45	3.38	+ 0.36	0.90	0	11	13	8	10	.....	ne.	J. E. Jeffers.		
Greenwood.	Charles Mix.	19	58.8	.....	95	28 <sup>b</sup>	35	6	45	3.38	+ 0.36	0.90	0	11	13	8	10	.....	ne.	H. C. Hoffbuhr.		
Goldfield.	Meade.	3,000	3	58.8	95	28 <sup>b</sup>	35	6	45	3.38	+ 0.36	0.90	0	11	13	8	10	.....	ne.	A. M. Williamson.		
Hardy Ranger Station.	Stanley.	1	55.7	.....	97	27	31	3	40	4.50	.....	1.55	0	10	6	11	14	.....	ne.	A. M. Alexander.		
Harvey's Ranch.	Lawrence.	6,600	3	55.7	97	27	31	3	40	4.50	.....	0.83	T.	7	7	12	12	.....	ne.	Mrs. Laura Sinclair.		
Hermosa.	Custer.	3,278	7	54.5	93	26	26	2	56	3.73	.....	0.70	0	15	10	12	9	.....	n.	Mrs. Mary M. Schmidt.		
Hightmore.	Hyde.	1,890	20	54.6 - 2.1	90	28	28	3	45	4.56	+ 2.24	1.49	0	9	6	16	16	.....	nw.	Jerome Harvey.		
Hopewell.	Stanley.	3	54.6	96	27	27	24	3	43	3.71	.....	0.98	0	9	5	15	16	.....	nw.	Experiment Station.		
Howard.	Miner.	1,564	21	53.6 - 3.0	90 <sup>b</sup>	29	28 <sup>b</sup>	6	45 <sup>b</sup>	4.12	+ 1.42	1.45	0	15	9	13	9	.....	se.	E. R. Myers.		
Howell.	Hand.	11	54.4 - 0.9	93	27	24	6	45	3.63	+ 0.30	1.15	0	15	10	11	11	.....	n.	J. J. Cox.			
Huron.	Beadle.	1,306	31	55.2 - 2.1	92	27	32	6	40	4.53	+ 1.61	1.99	0	12	7	11	13	.....	nw.	M. A. Shuster, Jr.		
Ipswich.	Edmunds.	1,530	16	54.3 - 0.9	93 <sup>b</sup>	28	24 <sup>b</sup>	6	45 <sup>b</sup>	3.00	- 0.92	0.62	0	10	7	12	12	.....	nw.	H. U. Weather Bureau.		
Kadoka.	Stanley.	2,467	4	54.9	95	27	29	17	41	2.65	.....	0.57	0	8	9	10	12	.....	ne.	H. J. Dailey.		
Kennebec.	Lynnman.	1,689	20	55.4 - 2.1	97	28	30 <sup>b</sup>	3	46 <sup>b</sup>	1.90	- 0.40	0.64	0	8	15	8	8	.....	ne.	Rev. D. S. Brown.		
Kimball.	Brule.	1,788	2																			

TABLE 1.—Climatological data for May, 1913. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.			Sky.	Prevailing wind direction.	Observers.						
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Number of partly cloudy days.	Number of cloudy days.				
<i>South Dakota—Contd.</i>																					
Rochford.....	Pennington.....	5,228	3	19	55.0	-2.6	92	27	27	3	37	3.07	+0.59	0.74	2.5	10	4	nw.			
Rosebud.....	Todd.....	2,600	7	51.5	—	88	27	28	6	37	3.94	+1.07	1.13	1.20	13	17	9	nw.			
Roslyn.....	Day.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6	14	11	nw.		
Selby.....	Walworth.....	5	53.9	91	27	28	3	39	2.83	5.75	+1.55	1.04	0	0	7	8	11	12	nw.		
Sioux Falls.....	Minnehaha.....	1,400	22	56.2	-1.8	94	28	33	6	42 <sup>a</sup>	36 <sup>b</sup>	+1.55	1.04	0	18	2	19	14	s.		
Sisseton.....	Roberts.....	1,202	7	54.2	—	88 <sup>c</sup>	27 <sup>c</sup>	34 <sup>c</sup>	1 <sup>c</sup>	36 <sup>c</sup>	5.75	+1.55	1.04	0	13	4	14	8	nw.		
Sorum.....	Perkins.....	2	50.8	92	27	22	2	30	1 <sup>d</sup>	35	2.78	-0.72	0.65	0	10	12	9	9	nw.		
Spearfish.....	Lawrence.....	3,647	24	52.2	-1.7	92	27	30	1 <sup>d</sup>	44	2.26	-0.72	1.21	0	7	9	14	8	e.		
Stephan.....	Hyde.....	1,840	9	54.0	—	93	29	18	3	46	3.72	-0.72	1.15	0	11	8	8	15	nw.		
Tama.....	Meade.....	3	—	95	27 <sup>c</sup>	—	—	—	—	—	—	—	0.70	0	6	20	0	11	nw.		
Timber Lake.....	Dewey.....	2,163	1	54.0	—	96	28	23	3	44	3.09	-0.64	0	10	4	20	7	ne.			
Tyndall.....	Bonhomme.....	1,418	16	57.8	-2.1	93	29	32	6	43	6.51	+2.67	2.38	0	15	11	9	11	nw.		
Vale.....	Butte.....	2,765	5	53.6	—	92	27	20	4	48	2.57	-0.92	0	11	6	16	13	.....			
Vermillion.....	Clay.....	1,222	12	59.0	-0.1	94	29	35	7	38	4.78	+0.73	1.88	0	13	6	9	nw.			
Waters Ranch.....	Lawrence.....	4,000	3	—	—	—	—	—	—	—	—	—	0.76	0	11	11	6	9	e.		
Watertown.....	Codington.....	1,735	19	52.0	-2.5	90	27 <sup>c</sup>	30	6	42	3.86	+0.55	0.90	0	14	11	6	14	ne.		
Wentworth.....	Lake.....	20	54.4	-1.6	90	28 <sup>c</sup>	32 <sup>c</sup>	6	38	5.35	+1.72	1.37	0	14	8	8	8	n.			
White Lake.....	Aurora.....	1,646	4	—	—	102	28	30	2	39	2.45	-0.64	0.46	0	12	8	8	15	se.		
Winner.....	Tripp.....	2,000	1	56.7	—	94	27 <sup>c</sup>	27	3	40	2.78	-0.66	0.86	0	9	10	10	11	ne.		
Wood.....	Mellette.....	—	56.6	—	—	—	—	—	—	—	—	—	—	0	10	10	10	11	ne.		
Yankton.....	Yankton.....	1,234	39	58.2	-1.8	96	29	38	10	38	5.87	+1.97	2.20	0	15	4	14	13	nw.		
<i>Minnesota.</i>																					
Pipestone.....	Pipestone.....	1,710	12	54.8	-0.8	87	29	30	6	35	4.30	+0.55	1.33	0	17	5	17	9	ne.		
<i>Colorado.</i>																					
Arriba.....	Lincoln.....	5,243	7	57.4	—	89	29	28	15	50	1.14	-0.43	0.32	0	11	24	6	1	ne.		
Auldhurst.....	Teller.....	8,500	3	—	—	—	—	—	—	—	—	—	0.15	1.0	6	6	19 <sup>a</sup>	5 <sup>b</sup>	s.		
Bennett (near).....	Arapahoe.....	5,484	5	56.4	+0.3	87	29	32	2	35	1.24	-0.70	0	4	20	7	4	ne.			
Boulder.....	Boulder.....	5,347	17	56.4	+0.3	87	29	32	3	35	1.24	-1.08	0.86	0	10	5	20	6	e.		
Burlington.....	Kit Carson.....	4,160	10	61.3	—	96	29	32	3 <sup>c</sup>	44	0.60	-0.98	0.32	0	8	12	17	2	se.		
Cassells.....	Park.....	8,445	3	—	—	—	—	—	—	—	—	—	0.27	0	3	14	12	5	e.		
Castle Rock.....	Douglas.....	6,220	21	55.4	+1.8	86	31	15	1	57	0.41	-2.16	0.11	0	5	15	9	7	nw.		
Cheeseman.....	Jefferson.....	6,890	10	53.8	+3.1	80	31	25	4	39	0.34	-1.53	0.34	0	1	6	22	3	sw.		
Cheyenne Wells.....	Cheyenne.....	4,279	21	60.0	+2.2	94 <sup>c</sup>	28	32 <sup>c</sup>	15	41 <sup>c</sup>	1.14	-1.05	0.52	0	5 <sup>a</sup>	21 <sup>a</sup>	5 <sup>b</sup>	4 <sup>c</sup>	ne.		
Corona.....	Grand.....	11,660	6	33.2	—	53	31	12	3	25	3.09	-0.65	0.94	0	13	7	14	8	w.		
Denver.....	Denver.....	5,272	41	57.5	+0.8	91	29	34	2	38	1.68	-0.86	0.96	0	8	15	9	7	sw.		
Edgewater.....	Jefferson.....	5,450	5	56.1	—	87	29	30	4 <sup>c</sup>	42	2.33	-0.64	0.94	0	8	14	9	8	.....		
Estes Park Fish Hatch.....	Larimer.....	8,000	4	—	—	—	—	—	—	—	—	—	1.93	0	11	7	14	10	nw.		
Fort Collins.....	Weld.....	4,985	34	54.8	+0.2	83	29	28	4	40	2.09	-0.84	0.98	0	11	7	14	10	sw.		
Fort Lupton.....	Weld.....	4,907	3	—	—	—	—	—	—	—	—	—	2.72	0	11	7	14	10	sw.		
Fort Morgan.....	Morgan.....	4,319	15	60.0	+2.6	92	29	31	4	44	2.56	+0.44	0.96	0	11	7	14	10	nw.		
Frances.....	Boulder.....	9,300	8	47.4	—	71	31	18	3	36	1.56	-0.40	4.8	9	1	25	5	5	w.		
Frys Ranch.....	Larimer.....	7,500	3	48.6	—	78	26 <sup>c</sup>	19	3	43	1.50	-0.82	8.0	8	15	7	9	9	w.		
Georgetown.....	Clear Creek.....	8,550	11	—	—	—	—	—	—	—	—	—	0.59	0	11	4	21	3	.....		
Greeley.....	Weld.....	4,649	22	59.0	+2.4	90	29	31	4	42	3.16	+0.62	2.05	0	6	18	8	5	e.		
Grover (near).....	Weld.....	5,076	4	54.4	—	87	29	28	4	45	2.92	-0.64	0.75	0	11	6	7	18	nw.		
Hartsel.....	Park.....	8,892	4	—	—	—	—	—	—	—	—	—	0.62	0	11	6	7	6	nw.		
Hawthorne.....	Boulder.....	6,000	4	54.4	—	87	29	28	4	45	2.92	-0.64	0.75	0	11	6	7	6	nw.		
Holyoke (near).....	Phillips.....	3,745	17	54.6	-2.2	98	26 <sup>c</sup>	22	3	61	1.33	-1.55	0.51	0	7	14	9	8	se.		
Idaho Springs.....	Clear Creek.....	7,543	13	51.2	+2.7	78 <sup>c</sup>	29 <sup>c</sup>	29 <sup>c</sup>	3	36	0.50	-1.72	0.36	0.5	6	0 <sup>a</sup>	26 <sup>a</sup>	4 <sup>c</sup>	e.		
Julesburg.....	Sedgwick.....	3,465	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Great Western Co.		
Kersey.....	Weld.....	4,571	—	—	—	—	—	—	—	—	—	—	2.25	1.45	0	3	10	5	sw.		
Laporte.....	Larimer.....	5,053	22	—	—	—	—	—	—	—	—	—	1.84	-1.22	1.15	0	7	14	.....		
Leroy (near).....	Logan.....	4,380	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.....		
Longmont.....	Boulder.....	4,950	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.....		
Longs Peak (near).....	Larimer.....	8,600	18	44.4	+3.0	72	31	13	3	36	0.80	-1.67	0.60	8.0	2	17 <sup>a</sup>	7 <sup>b</sup>	6	s.		
Merino.....	Logan.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.....		
Moraine.....	Larimer.....	7,775	23	46.1 <sup>c</sup>	+0.8	74 <sup>c</sup>	31	20 <sup>c</sup>	3	40 <sup>c</sup>	0.10	-2.18	0.10	1.0	1	15 <sup>a</sup>	0 <sup>b</sup>	13 <sup>c</sup>	s.		
Platte Canon.....	Jefferson.....	5,492	14	—	—	—	—	—	—	—	—	—	0.65	-1.63	0.26	0	7	16	12	s.	
S. Cloud.....	Larimer.....	7,750	10	—	—	—	—	—	—	—	—	—	0.50	-2.73	0.10	0	8	5	15	11	w.
Sedgwick.....	Sedgwick.....	3,539	5	55.9	—	93	29	29	3	53	3.70	-1.15	1.15	0	6	18	10	3	sw.		
Spicer (near).....	Jackson.....	8,700	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.....		
Sterling.....	Logan.....	3,892	4	59.0	—	91	29	30	4	42	3.36	-2.16	0	7	15	7	9	se.			
Waterdale.....	Larimer.....	5,206	10	57.0	+3.6	86	26 <sup>c</sup>	32	3	42	2.66	+0.08	1.48	0	7	10	11	4	se.		
Wray.....	Yuma.....	3,512	17	61.0	+2.7	96	29	32	3 <sup>c</sup>	44	1.38	-1.27	0.68	0	4	11	15	5	n.		
Yuma.....	do.....	4,138	22	—	—	—	—	—	—	—	—	—	1.30	-1.01	0.83	0	4	17	9	5	ne.
<i>Nebraska.</i>																					
Ainsworth.....	Brown.....	2,521	8	54.9	—	93	28	30	3	41	5.65	-1.80	0	12	0	10	21	n.			
Albion.....	Boone.....	1,747	18	58.3	-1.6	100	29	32	3	49 <sup>c</sup>	4.07	+0.13	1.81	0	11	7	17	17	s.		
Alliance.....	Boxbutte.....	3,968																			

TABLE 1.—Climatological data for May, 1913. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmetted.								
<i>Nebraska—Continued.</i>																						
Burke.	Cherry.	2,674	8	57.2		94	28	38	3	47°	2.20	4.24	+ 1.42	0.70	0	5	13	10	8	n.	H. A. Davis.	
Burwell.	Garfield.	2,180	19	57.0	7	57.0	27	30	3	46	2.63	0.90	0.33	1.26	0	8	13	11	7	e.	W. L. McMullen.	
Butte.	Boyd.																					W. Whitta.
Cairo.	Hall.	1,951	4																			Elliott Harrison.
Callaway.	Custer.	2,555	20	60.4	+ 2.0	101	28	31	6	46	1.03	- 1.90	4.48	2.43	0	7	10	9	12	s.	J. H. Evans.	
Cambridge.	Furnas.	2,258	6	62.4		100	29	34	3	47	3.55			1.55	0	7	19	5	17	se.	Chas. Jensen.	
Columbus.	Platte.	1,442	20	59.6	- 0.8	103	29	36	6	39	6.03	+ 1.91	1.60	1.00	0	12	5	15	11	se.	A. L. Rush.	
Crete.	Saline.	1,368	30	62.2	+ 0.9	96	29	39	6	32	5.00	+ 0.60	1.48	0.42	0	14	10	17	4	s.	Dosane College.	
Culbertson.	Hitchcock.	2,565	26	63.6		100	29	36	3	50	1.42	- 1.16	1.39	0.42	0	11	17	4	10	ne.	Homer L. Nye.	
Curly.	Sioux.	51.5	5	51.5		86	29	29	3	44	2.21			1.39	0	7	18	6	10	s.	A. E. Hann.	
Curtis.	Frontier.	2,553	16	62.1	+ 0.1	98	29	33	3	44	1.81	- 1.09	0.42	0	7	11	10	10	10	s.	Dr. S. R. Razee.	
Dalton.	Cheyenne.	4,273																				J. C. Frandsen.
David City.	Butler.	1,619	23	60.6	+ 1.4	98	29	38	6	34	5.60	+ 1.19	2.32	0	12	12	11	8	8	se.	S. Clingman.	
Du Bois.	Pawnee.	1,074	8	5	57.1		93	29	34	21	44	3.75		2.60	0	11	17	6	8	s.	O. M. Backus.	
Dumas.	Garfield.	2,268	6	57.1																		Emile Raes.
Elm Creek.	Buffalo.	3,382	5																			E. L. Sutton.
Elsie.	Perkins.	2,029	20	63.6	+ 1.4	90	27	29	3	41	5.50	+ 0.81	1.44	0.90	0	9	8	19	4	ne.	J. A. Brittain.	
Ericson (near).	Garfield.	1,888	22	58.6		102	29	36	6	49	4.92	+ 1.78	1.80	0	15							G. H. Benson.
Ewing.	Holt.																					Frank Ainsworth.
Exeter.	Fillmore.	1,607	1																			W. F. Crabb.
Fairbury.	Jefferson.	1,316	38	63.4	+ 1.0	99	29	36	6	37	8.17	+ 3.33	2.48	0	12	11	14	6	6	s.	C. B. & Q. R. R. Co.	
Fairmont.	Fillmore.	1,641	20	60.6	+ 0.4	97	29	35	6	36	4.46	+ 0.54	1.62	0	10	11	11	9	6	se.	Dr. J. C. Yutzy.	
Falls City.	Richardson.	598	18	65.2	+ 1.9	98	29	39	10	38	4.12	- 0.61	1.63	0	9	18	7	6	6	se.	Post surgeon.	
Fort Robinson.	Davies.	3,761	30	53.6	+ 1.4	90	27	29	3	41	5.50	+ 0.81	0.90	0	10	17	4	10	10	ne.	A. R. Peck.	
Franklin.	Franklin.	1,820	24	63.6	+ 2.0	102	29	33	6	46	2.53		0.91	0.76	0	8	4	18	9	se.	Ernest Hahn.	
Fremont.	Dodge.	1,203	33	61.8	+ 1.5	101	29	38	6	39	4.88	+ 0.67	1.30	0	9	6	15	10	10	se.	Dr. F. W. Johnson.	
Fullerton.	Nance.	1,629	12	60.8d		103	29	35	23	43d	4.98	+ 0.73	2.22	0	7							F. M. Flory.
Geneva.	Fillmore.	1,633	23	63.0	+ 1.1	95	29	36	6	36	7.14	+ 2.36	1.90	0	10	13	11	7	se.	F. W. Parsons.		
Genoa.	Nance.	1,584	38	60.4	+ 0.2	101	29	36	6	38	3.45	- 0.74	1.40	0	10	11	12	8	se.	G. F. Williams.		
Gordon.	Sheridan.	3,550	10	56.0*		92	27	25	3	51*	1.77	- 1.31	0.80	0	4							E. H. Stoll.
Gosper.	Gosper.																					Dr. W. J. Bartholomew.
Gothenburg.	Dawson.	2,557	18	61.0	+ 0.8	101	29	33	3	46	2.07	- 0.89	1.00	0	7	14	5	12	se.	E. A. Barnes.		
Grand Island.	Hall.	1,860	23	62.4	+ 1.3	98	29	39	3	47	3.23	- 1.16	0.75	0	10	7	6	18	se.	Anson K. Holmes.		
Grant.	Perkins.	3,405	10	59.4		102	29	28	3	50	1.47	+ 1.08	0.50	0	5	17	4	10	se.	W. E. Morgan.		
Greeley.	Greeley.	2,021	17	57.0		99	29	36	4	44	3.63	+ 0.63	1.41	0	11	10	14	7	se.	J. S. Marsh.		
Guide Rock.	Webster.	1,646	13																		J. L. Pember.	
Haigler.	Dundy.	3,258																				U. S. Forest Service.
Halsey.	Thomas.	2,695	11	59.9	+ 1.9	94	28	30	3	48	3.18	- 0.64	1.09	0	13	16	7	8	ne.	D. E. Ewing.		
Hartington.	Cedar.	1,309	22	57.4	- 0.9	95	29	36	6	40	9.05	+ 4.69	2.20	0	13	8	3	20	nw.	Bert Gregg.		
Harvard.	Clay.	1,812																				C. B. & Q. R. R. Co.
Hastings.	Adams.	1,932	24	61.0	+ 0.5	98	29	37	6	38	2.92	- 0.78	0.67	0	12	22	5	4	ne.	Jos. M. Crosby.		
Hayes Center.	Hayes.																					A. Kadlec.
Hay Springs.	Sheridan.	3,821	26	54.7	+ 0.6	90	27	26	3	44	2.62	- 0.62	1.50	T.	5	6	17	8	nw.	Dr. C. M. Easton.		
Hebron.	Thayer.	1,458	27	62.4	+ 0.6	94	29	36	6	33	6.45	+ 1.97	1.67	0	9							A. S. Enyeart.
Hemingford.	Boxbutte.	4,256	4																			T. L. Jones.
Hendley.	Furnas.	2,231	9																			G. F. Palmer.
Hershey.	Lincoln.	2,902	2																			Mrs. M. R. Lloyd.
Hillside.	McPherson.	3,484	4	57.4		94	29	24	3	49	1.71		0.84	0.2	11	16	7	8	ne.	C. B. & Q. R. R. Co.		
Holdredge.	Phelps.	2,324	22	61.8	+ 0.9	92	29	33	4	40	1.31	- 2.94	0.72	0	5	7	8	16	s.	Dr. W. H. Heine.		
Hooper.	Dodge.	1,228	16	63.6	+ 2.3	100	29	40	6	35	5.55	+ 0.03	1.20	0	9	9	13	13	w.	Mrs. W. P. Miller.		
Hull (near).	Banner.																					Robt. Malcolm.
Imperial.	Chase.	3,278	23	58.9	+ 0.3	90	29	31	3	42	1.69	- 1.17	0.84	0	9	6	14	11	ne.	City Engineer.		
Kearney.	Buffalo.	2,146	25	62.9	+ 1.5	98	29	37	6	47	1.95	- 2.04	0.56	0	8	13	13	5	se.	F. J. Bellows.		
Kimball.	Kimball.	4,697	25	56.2	+ 1.3	90	29	30	4	45	1.26	- 1.24	0.39	0	6	13	11	7	w.	Mrs. C. Arter.		
Kirkwood.	Rock.	18	56.6	- 1.7	95	27	30	3	44	3.13	- 0.27	1.05	0	8	13	7	11	s.	Geo. W. Hulse.			
Kowanda.	Garden.																					Robt. Chadwick.
Lexington.	Dawson.	2,385	24	61.2	+ 2.0	98	29	34	3	46	2.17	- 0.66	1.25	0	10	18	0	13	ne.	U. S. Weather Bureau.		
Lincoln.	Lancaster.	1,189	35	63.0	+ 0.1	98	29	40	6	32	6.02	+ 1.77	2.20	0	12	5	13	13	se.	R. T. Kidney.		
Lodgepole.	Cheyenne.	3,820	17	58.5	+ 2.3	95	28	30	3	48	1.24	+ 1.21	0.68	0	5	11	13	7	se.	Harriet Hayhurst.		
Loup City.	Sherman.	2,067	10																			C. G. Coglier.
McCook.	Red Willow.	2,506																				L. L. Slagel.
McCool Junction.	York.	1,575	16																			Dr. F. A. Long.
Madison.	Madison.	1,585	20	58.4d	- 0.8	99	29	35	6	37d	4.05	- 0.15	1.75	0	8							John Ellis.
Marquette.	Hamilton.	1,830	34																			G. C. Stuft.
Mary.	Brown.	2,257	10																			J. A. Amsberry.
Mason City.	Custer.																					A. Kennedy.
Minatare.	Scotts Bluff.	3,825	4																			Joel Hull.
Minden.	Kearney.	2,169	36	63.0	+ 2.9	103	29	35	21	41	1.00	- 3.51	0.28	0	12	9	16	6	6	se.	U. S. Reclamation Service.	
Mitchell.	Scotts Bluff.	3,950	4	56.7		88	27	34	3	41	3.51		1.80	0	9	11	11	6	6	s.	C. B. & Q. R. R. Co.	
Nebraska City.	Otoe.	941	37	63.2</td																		

TABLE 1.—Climatological data for May, 1913. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmetted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
Nebraska—Continued.																					
Springview	Keyapaha.	22	57.0	-0.5	94	28	32	3	40	2.70	-0.31	0.95	0	8	12	9	10	nw.	C. L. Phelps.		
Stanton	Stanton.	1,472	58.4	-1.2	98	29	32	24	42	2.79	-1.01	1.06	0	5	7	18	6	se.	Alfred Pont.		
Stratton	Hitchcock.	2,804	18							1.37	-1.03	0.70	0	6					Miss Stella Vennum.		
Superior	Nuckolls.	1,574	28							4.35	+ 0.70	1.75	0	5					F. V. Bishop.		
Syracuse	Otoe.	1,059	21	+1.4	98	29	35	6	38	6.85	+ 2.49	3.22	0	8	16	9	6	se.	W. N. Hunter.		
Table Rock	Pawnee.	1,023	26							6.87	+ 2.62	3.00	0	9	10	6	5	s.	E. D. Howe.		
Tecumseh	Johnson.	1,113	35							6.70	+ 2.01	2.02	0	9	11	13	7	se.	L. E. Pratt.		
Tekamah	Burt.	1,060	33	-0.1	98	29	38	6	36	8.08	+ 3.73	1.58	0	13	9	1	21	n.	Dr. A. D. Nesbit.		
University Farm	Lancaster.																		S. W. Perin.		
Valentine	Cherry.	2,613	25	56.0	-1.9	94	28	30	3	39	3.13	-0.20	0.97	0	16	12	8	11	ne.	U. S. Weather Bureau.	
Wahoo	Sanders.	1,187	10							6.85	+ 2.41	1.79	0	11	13	3	5	se.	W. T. Mauck.		
Wakefield	Dixon.	1,387	19	58.8	-0.3	97	29	33	6	40	5.20	+ 1.18	1.75	0	12	8	9	14	s.	I. H. Weaver.	
Walther	Thurston.	12	59.6		94	29	34	6	37	5.19	+ 0.81	1.72	0	10	12	7	12	n.	G. A. Dudley.		
Watertown	Buffalo.	2,299	8							2.87		1.52	0	7	16	9	6	s.	R. E. Swift.		
Wauneta	Chase.	2,935	15							1.25	-1.22	0.40	0	8					C. D. Fuller.		
Weeping Water	Cass.	1,080	35	63.6		97	29	34	6	40	5.13	+ 0.92	1.83	0	13	13	6	12	s.	S. W. Orton.	
Westpoint	Cuming.	1,313	28	60.8	-0.2	102	29	38	6†	41	5.23	+ 1.45	1.78	0	8	9	13	9	n.	J. C. Elliott.	
Wisner	do.	1,380	17							4.39	+ 0.01	1.23	0	10	21	3	7		F. C. Evans.		
York	York.	1,633	26	62.2	+ 0.7	101	29	35	6	38	3.30	-0.89	1.11	0	9	17	7	7	sw.	A. T. Giauque.	
Iowa.																					
Afton	Union.	1,212	19	61.1	-1.2	88	29	41	6†	27	6.51	+ 1.62	1.55	0	12	11	11	9	sw.	N. W. Rowell.	
Allerton	Wayne.	11	62.2	+ 1.2	91	29†	38	11	35	4.30	-0.21	0.88	0	13	10	8	8	s.	Maude Chase.		
Alton	Sioux.	1,305	8	57.2		95	29	33	6	39	4.79		1.17	0	14	10	10	11	ne.	W. S. Slagle.	
Atlantic	Cass.	1,164	22	61.6	+ 2.2	99	29	37	6	35	6.92	+ 2.44	2.10	0	16	6	9	19	ne.	Thos. H. Whitney.	
Audubon	Audubon.	1,301	19	58.8	-1.1	94	29	38	6†	34	6.37	+ 2.13	1.55	0	12	9	5	17	sw.	Geo. E. Kellogg.	
Bedford	Taylor.	13	61.8	+ 0.8	93	29	35	6	40	4.66	-0.59	1.82	0	14	11	6	14	s.	E. E. Healy.		
Centerville	Appanoose.	1,013	3	62.6		91	2	37	11	35	4.37		1.50	0	16	17	8	6	w.	Gordon Peacock, Jr.	
Chariton	Lucas.	1,042	18	60.4	-0.9	90	29	36	11	38	4.15	-0.22	1.10	0	9	10	13	8	se.	C. C. Burr.	
Clarinda	Page.	1,009	23	60.8	-0.4	97	29	36	6	39	5.77	+ 0.93	1.38	0	15				sw.	A. S. Van Sandt.	
Corning	Adams.	1,117	21	60.1	-0.3	93	29	34	6	39	9.24	+ 4.41	2.27	0	13				se.	Jerome Smith.	
Corydon	Wayne.	1,101	20	62.6	+ 1.3	92	29†	37	6†	36	4.55	-0.12	0.93	0	16	9	12	12	se.	May C. Miller.	
Council Bluffs	Pottawattamie.	990	3	61.6		97	29	34	6	37	5.37		1.74	0	11	4	10	17	se.	B. W. Crossley.	
Creston	Union.	1,312	8	59.4		97	29	38	6	37	6.76		1.42	0	13	12	4	15	se.	O. J. Colby.	
Cumberland	Cass.	14								7.61	+ 3.92	1.25		0	12	16	5	10	se.	J. H. Reppert.	
Denison	Crawford.	1,180	19	59.2	-0.1	93	29	34	6†	34	6.73	+ 2.02	2.41	0	11	8	12	11	s.	W. C. Van Ness.	
Elliot	Montgomery.	8	61.4		94	29	35	6	33	6.12		2.44	0	7	16	8	8	se.	C. H. Westrose.		
Greenfield	Adair.	21	61.4	+ 1.0	97	29	39	23	39	6.30	+ 1.28	1.90	0	12	10	15	6	ne.	Frank A. Ward.		
Harian	Shelby.	1,182	14	59.2	-1.1	95	29	34	6	36	7.63	+ 3.43	1.78	0	12	6	12	13	se.	C. A. Reynolds.	
Inwood	Lyon.	1,474	9	57.5		92	29	31	6	41	6.00		1.39	0	14	11	8	12	nw.	F. B. Hanson.	
Lake Park	Dickinson.	1,479	6	56.1		92	29	30	2	35	5.89		2.00	0	7	14	6	11	s.	A. E. Woodruff.	
Lamoni	Decatur.	1,120	6	62.4		91	31	40	7†	33	3.14		0.60	0	14	19	0	12	se.	T. J. Fitzpatrick.	
Le Mars	Plymouth.	1,224	17	58.2	-1.1	92	29	35	6†	32	6.50	+ 1.71	2.40	0	14	13	6	12	se.	G. A. C. Clarke.	
Lenox	Taylor.	1,250	18	61.6	+ 0.4	90	29	38	23	32	5.73	+ 1.01	1.70	0	11	15	8	8	se.	J. L. Hurley.	
Leon	Decatur.	1,120	11	61.7	-0.2	92	29	39	11	36	6.08	+ 1.63	1.10	0	14	5	12	14	se.	Morris Gardner.	
Little Sioux	Logan.	8	60.8		98	29	34	6	36	6.60		1.56	0	11	11	8	12	sw.	Geo. H. Gibson.		
Mount Ayr	Ringgold.	1,236	20	62.0	+ 0	91	29†	39	10	35	4.23	-1.53	1.33	0	15	13	7	11	s.	Glenn H. Stern.	
Murray	Clarke.	1,216	22	61.8	+ 1.6	93	29	39	7	34	6.05	+ 1.36	1.73	0	16	8	9	14	s.	Alex. Maxwell.	
Northboro	Page.	1,046	1	62.8		93	29	37	10	34	6.81		2.66	0	10	14	7	10	sw.	J. M. Darby.	
Odebolt	Sac.	1,356	16	60.1	-0.3	97	29	37	10	37	6.51	+ 2.53	1.65	0	12	9	11	11	nw.	E. Starner.	
Onawa	Monona.	1,051	13	62.2	-0.4	102	29	39	6†	37	5.87	+ 0.29	1.90	0	12	9	11	11	sw.	C. G. Perkins.	
Pacific Junction	Mills.	960	14	62.3	+ 0.7	98	29	34	6	40	4.63	+ 0.67	1.95	0	9	11	16	4	e.	H. H. McCartney.	
Rock Rapids	Lyon.	1,358	14	54.6	-2.0	92	29	32	6	40	4.57	+ 1.18	1.25	0	11	9	12	10	s.	W. C. Wyckoff.	
Sheldon	O'Brien.	1,422	15							5.00	-0.10	1.20	0	14	9	10	10	sw.	Geo. Upplerle.		
Sibley	Osceola.	1,212	20	55.1	-2.2	93	29	31	6	39	6.35	+ 2.39	1.20	0	16	11	7	13	nw.	H. G. Doolittle.	
Sioux Center	Sioux.	14	56.6	-1.7	92	29	36	10	31	4.82	-0.03	1.20	0	10	12	8	11	e.	J. de Ruyter.		
Sioux City	Woodbury.	1,135	24	58.8	-2.0	97	29	38	6	35	4.71	+ 0.34	1.52	0	14	7	10	14	s.	U. S. Weather Bureau.	
Spencer	Clay.	3																	S. Gillespie.		
Thurman	Fremont.	16	63.2	+ 0.9	94	29	35	6	36	6.44	+ 1.24	3.42	0	6	9	14	8	sw.	C. R. Paul.		
Washita	Cherokee.	1,157	15	57.9	+ 2.1	95	29	30	6	39	8.31	+ 3.46	2.90	0	10	12	5	14	n.	H. L. Felter.	
Kansas.																					
Ablene	Dickinson.	1,157	18							2.10	-2.12	0.80	0	7	14	5	12	se.	T. W. Sherman.		
Agricultural College	Riley.	1,100	55	66.2	+ 1.4	100	29	38	6†	41	7.18	+ 2.68	2.87	0	10	19	5	7	s.	Prof. J. O. Hamilton.	
Atlon	Osborne.	1,651	11	66.0		103	29	35	6	44	0.75	-2.48	0.25	0	5	15	10	6	s.	H. A. Storer.	
Atchison	Atchison.	973	22	66.4	+ 2.6	97	29	41	10	36	6.02	+ 0.72	1.64	0	12	24	2	5	se.	Prof. E. M. Stahl.	
Beloit	Mitchell.	1,383	18	65.6		99	29	38	6	36	4.72	+ 1.26	1.83	0	8	17	6	6	s.	F. A. Slack.	
Blakeman	Rawlins.	2,894	16	62.1	+ 2.3	100	29	34	15	51	0.90	-1.48	0.32	0	8	14	10	7	se.	C. L. Henderson.	
Blue Rapids	Marshall.	1,105	7																		

TABLE 1.—Climatological data for May, 1913. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.								
<b>Kansas—Continued.</b>																						
Lebanon.	Smith.	1,812	15	64.0	+ 2.8	101	30	41	6†	45	3.07	+ 0.20	1.48	0	7	17	3	11	s.	E. V. Bower.		
Lenora.	Norton.	2,300	1	63.8	-	99	29	36	15	42	1.97	-	1.09	0	8	5	18	12	1	se.	J. S. Goodrich.	
Leoti.	Wichita.	3,300	10	63.8	-	107	29	37	23	41	1.54	-	0.85	0	6	18	4	9	se.	L. E. Gorsuch.		
Lincoln.	Lincoln.	1,374	1	67.6	-	107	29	37	23	41	1.54	-	0.73	0	7	16	4	11	s.	R. W. Greene.		
Lindsborg.	McPherson.	1,333	7	66.9	-	102	29	38	6	41	2.53	-	0.77	0	8	15	13	3	ne.	A. J. Frederickson.		
McCracken.	Rush.	2,139	1	66.9	+ 3.5	103	29	39	6	38	2.24	-	1.76	0.70	0	8	20	4	7	s.	E. D. Floyd.	
Minneapolis.	Ottawa.	1,259	23	66.8	+ 3.5	103	29	39	6	38	2.24	-	1.76	0.70	0	8	20	4	7	s.	J. L. Steele.	
Moran.	Allen.	1,098	17	67.8	+ 2.2	99	31	42	23	35	3.61	-	1.40	1.46	0	6	17	7	7	se.	C. J. Norton.	
Natoma.	Osborne.	1,834	4	66.3	-	102	29	37	4	39	1.15	-	1.89	0.27	0	9	11	18	2	se.	C. O. Hunt.	
Norton.	Norton.	2,284	15	63.3	+ 3.3	102	29	37	4	39	1.15	-	1.89	0.27	0	9	11	18	2	se.	Sim Steffel.	
Oberlin.	Decatur.	2,539	26	64.5	-	101	29	35	3	47	2.76	-	0.21	1.66	0	7	14	12	1	se.	I. K. Huber.	
Oketo.	Marshall.	1,194	5	64.4	-	99	29	40	11	34	3.74	-	1.84	0.08	0	8	7	18	6	nw.	J. A. Church.	
Olathe.	Johnson.	1,032	18	65.8	+ 1.2	99	31	39	23	38	3.86	-	1.66	1.54	0	12	9	17	5	s.	Dr. S. B. Wilson.	
Oskaloosa.	Jefferson.	991	7	66.4	-	98	29	42	7†	37	6.35	+ 0.80	3.05	0	8	15	10	6	s.	Ralph Snyder.		
Ottawa.	Franklin.	926	19	66.4	+ 1.8	98	29	42	7†	37	6.35	+ 0.80	3.05	0	8	13	14	4	ne.	W. J. Sheldon.		
Phillipsburg.	Phillips.	1,939	22	65.0	+ 2.8	103	29	40	6†	40	2.04	-	0.61	0.84	0	9	13	14	4	ne.	N. E. Bailey.	
Plainville.	Rock.	2,156	7	67.8	+ 2.5	98	31	42	7	35	4.22	-	0.97	0.15	0	5	19	10	2	ne.	P. D. Spellman.	
Pleasanton.	Linn.	862	11	67.8	-	98	31	42	7	35	4.22	-	0.97	0.05	0	5	19	8	4	sw.	B. F. Blaker.	
Quenemo.	Osage.	941	1	66.8	-	99	29	37	6	45	4.98	-	1.80	0.80	0	8	14	14	4	sw.	R. L. Graham.	
Republic.	Republic.	1,495	10	63.8	-	99	29	37	6	45	4.98	-	1.80	0.80	0	8	14	14	4	sw.	J. W. Ambrose.	
Russell.	Russell.	1,834	14	67.6	+ 4.2	104	29	39	6	40	1.78	-	1.33	0.72	0	6	18	6	7	s.	Robert Brebner.	
Russell Springs.	Logan.	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Murray Wallace.	
St. Francis.	Cheyenne.	3,283	5	62.84	-	101	29	32 <sup>b</sup>	15	50	0.66	-	0.28	0	6	8	17	6	6	ne.	J. E. Uplinger.	
Salina.	Saline.	1,227	29	67.8	+ 3.1	105	30	39	23	42	1.83	-	2.41	0.88	0	7	15	14	2	s.	Prof. A. W. Jones.	
Scott.	Scott.	2,971	7	66.4	-	102	29	37	15	44	0.98	-	0.80	0	3	21	10	0	s.	J. B. Loughran.		
Smith.	Smith.	1,800	3	64.8	-	105	29	38	6	43	1.88	-	0.59	0	8	11	16	4	se.	W. H. Nelson.		
Topeka.	Shawnee.	997	27	65.8	+ 0.8	99	29	44	6	33	4.46	-	0.42	1.44	0	11	13	13	5	s.	U. S. Weather Bureau.	
Tribune.	Greeley.	3,612	14	64.6	-	97	29	36	15	38	1.69	+ 0.05	1.35	0	5	12	14	5	s.	Charles E. Cassel.		
Valley Falls.	Jefferson.	913	14	64.8	+ 0.8	98	30	40	6†	38	0.05	-	0.58	1.15	0	10	14	11	6	ne.	Miss Nettie Maxwell.	
Vinland.	Douglas.	880	4	66.7	-	97	29†	41	6	31	6.70	+ 1.50	1.86	0	11	13	11	7	ne.	A. Schick.		
Wakeeney.	Trego.	2,456	30	66.2	+ 3.8	103	29	39	6	48	1.53	-	1.30	0.48	0	8	21	7	3	s.	A. S. Peacock.	
Wallace.	Wallace.	3,303	43	64.6	+ 4.8	100	29	35	15	49	1.33	-	1.19	0.60	0	7	10	21	0	s.	J. L. Page.	
Wamego.	Pottawatomie.	1,002	20	66.7	-	97	29†	41	6	31	6.70	+ 1.50	1.86	0	11	13	11	7	ne.	M. L. Stone.		
<b>Missouri.</b>																						
Amoret.	Bates.	850	5	67.5	-	99	31	42	7	36	5.34	-	2.05	0	8	19	6	6	sw.	Darby Fruit Farm.		
Appleton City.	Saint Clair.	853	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Robert Brown.	
Arlington.	Phelps.	695	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	G. V. Randolph.	
Arthur.	Vernon.	767	21	68.2	+ 3.5	98	30†	40	7†	43	2.38	-	3.73	1.15	0	4	21	8	2	sw.	J. T. Armstrong.	
Avalon.	Livingston.	26	64.2	+ 0.1	94	30†	36	10	35	4.99	-	0.34	1.86	0	9	20	3	8	sw.	F. G. Ashbaugh.		
Bagnell.	Miller.	594	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	C. O. Brockman.	
Bethany.	Harrison.	881	22	62.8	+ 0.4	91	29	40	10	34	3.40	-	1.73	1.12	0	7	16	7	8	se.	W. H. Skinner.	
Bolivar.	Polk.	1,070	26	69.1	+ 3.7	100	31	40	7	42	2.50	-	2.91	1.15	0	6	18	13	0	ne.	A. C. Fink.	
Boonville.	Cooper.	600	38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	C. Randecker.	
Brunswick.	Chariton.	652	33	63.6	-	0.1	93	31	38	11	38	3.43	-	1.54	0.86	0	11	10	5	16	s.	Louis Benecke.
Clinton.	Clinton.	800	27	67.2	-	99	31	41	11†	40	3.00	-	2.66	1.20	0	5	15	13	3	se.	A. E. Derwent.	
Columbia.	Boone.	784	24	65.7	+ 1.2	96	31	39	10	33	1.43	-	3.43	0.43	0	13	7	11	13	s.	U. S. Weather Bureau.	
Conception.	Nodaway.	982	30	62.6	+ 1.5	92	29	36	10	31	4.05	-	0.76	1.37	0	12	11	13	7	nw.	Fr. Adhelm Hess.	
Crocker.	Pulaski.	1,300	21	67.1	-	98	31	38	19	46	1.25	-	0.44	0.44	0	5	17	2	2	s.	Ira H. Stephens.	
Eldon.	Miller.	2	66.7	-	97	31	39	7	37	2.00	-	0.60	0	9	9	20	2	2	s.	Charles A. Kellogg.		
Fayette.	Howard.	725	31	64.8	+ 0.6	93	31	38	10	30	2.81	-	2.14	0.76	0	10	19	2	10	sw.	Prof. T. B. Smith.	
Fulton.	Callaway.	818	23	66.6	+ 1.9	98	31	37	7	42	0.91	-	3.80	0.37	0	5	15	4*	7*	sw.	Russell Johnston.	
Glasgow.	Howard.	618	35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	J. J. Shaughnessy.	
Grant City.	Worth.	1,130	21	62.0	-	94	30	37	9†	35	4.67	-	0.31	1.55	0	11	19	2	10	nw.	W. H. Campbell.	
Harrisonville.	Cass.	912	42	65.6	+ 1.8	97	31	42	11	34	5.56	+ 0.81	2.62	0	13	13	1	17	sw.	A. J. Sharp.		
Hazelhurst.	Livingston.	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	W. H. Baker.	
Hermann.	Gascogne.	482	39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	C. T. Maushund.	
Houston.	Texas.	1,280	21	65.6	+ 0.9	97	31	35	24	46	1.26	-	3.19	0.43	0	4	5	26	0	s.	E. Dempsey.	
Jefferson City.	Cole.	625	32	65.0	-	0.1	99	31	38	11	43	2.11	-	2.18	0.60	0	8	17	0	14	s.	Miss Emma Swift.
Kansas City.	Jackson.	963	25	66.0	+ 1.5	96	29	40	10	29	4.45	-	0.66	1.90	0	11	9	16	6	s.	U. S. Weather Bureau.	
Kidder.	Calvert.	1,017	22	63.6	+ 0.6	90	30†	39	10	30	5.18	-	0.70	1.26	0	13	15	9	7	sw.	J. F. Sharp.	
Lamonte.	Pettis.	863	24	66.0	-	96	29†	38	7	41	2.56	-	2.89	1.00	0	9	41	30	9	s.	J. Ed. Hall.	
Lebanon.	Laclede.	1,265	26	67.1	+ 1.3	92	31	40	7	38	3.98	-	2.10	1.75	0	6	14	12	5	s.	N. W. Serl.	
Lexington.	Lafayette.	813	32	66.3	+ 2.3	95	31	42	7	37	3.64	-	1.41	1.27								



TABLE 2.—*Daily precipitation for May, 1913. District No. 6—Continued.*

Stations.	Watershed.	Day of month.																																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.				
N. Dakota—Contd.																																					
Steele.....	Missouri.....																																	1.05	1.19		
Turtle Lake.....	do.....																																	.41	1.58		
Washburn.....	do.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	T.....	1.77					
Williston.....	do.....																																	.04	0.85		
South Dakota.																																					
Aberdeen    .....	James.....	.10	.15	.10				T.....	.10	.10	.05				.10	.50	.40	.05	.30		.40	.15	T.....	T.....										4.05			
Academy.....	Missouri.....	.11	.27					T.....	.02	.48					.32	.11		T.....	.15		.34	.22	T.....											.14	.25		
Alexandria.....	James.....	.18																																		.33	.56
Armour.....	Missouri.....																																				.60
Bellefourche.....	Cheyenne.....																																				.55
Blunt.....	Missouri.....	.09																																			2.13
Britton.....	James.....	.10	.20																																		.50
Brookings.....	Big Sioux.....	.12	.41	.02																																	.42
Bryant.....	do.....																																				.75
Camp Crook.....	Little Mis'ri.....	T.....	.07		T.....																																.30
Canton.....	Big Sioux.....	.45	.28																																		.62
Cascade Springs.....	Cheyenne.....																																				2.60
Castlewood.....	Big Sioux.....	.02	.41	.10	T.....																																2.52
Centerville.....	Missouri.....	.64	.14																																		.19
Clark.....	James.....	.08	.44																																		.57
Cottonwood.....	Missouri.....																																				.62
Custer.....	Cheyenne.....																																				.40
Daviston.....	Owl.....																																				.93
Deadwood.....	Cheyenne.....	.10																																			.73
Deerfield.....	do.....	T.....	.04																																	.30	
De Smet.....	James.....	.32	.07																																		.25
Dowling.....	Cheyenne.....																																				.49
Dumont.....	do.....	.08	.17																																		.80
Eagle Butte.....	Grand.....																																				.86
Eales.....	Missouri.....	.02																																			.26
Elk Mountain.....	Cheyenne.....	.10	.05																																		.99
Ellington.....	Grand.....	T.....	T.....																																		.81
Englewood.....	Cheyenne.....																																				.02
Eureka.....	Missouri.....	.01																																			.97
Faith.....	Cheyenne.....	T.....	.02																																	.65	
Faulkton.....	James.....	.21																																			.30
Flandreau.....	Big Sioux.....	.05	.30																																		.47
Forestburg.....	James.....	.17	.06																																		.50
Fort Meade.....	Cheyenne.....																																				.00
Frederick.....	James.....	.17																																			.63
Greenmont.....	Cheyenne.....																																				.63
Greenwood.....	Missouri.....	.35																																			.38
Goldfield.....	Cheyenne.....																																				.45
Hardingrove.....	do.....	T.....	.01																																	.50	
Hardy Ranger Sta.....	T.....	T.....																																		.85	
Harvey's Ranch.....	do.....																																				.85
Hermosa.....	do.....	.03	.06																																	.73	
Highmore.....	Missouri.....	.32																																		.45	
Hopewell.....	Cheyenne.....	T.....																																		.56	
Howard.....	Missouri.....	.07	.05																																	.71	
Howell.....	James.....	.02	.31																																	.08	
Huron.....	do.....	.10	.30																																	.63	
Ipswich.....	do.....	.10	.11																																	.06	
Kadoka.....	White.....	T.....																																		.66	
Kennebec.....	Missouri.....	.21																																		.64	
Kimball.....	do.....	.52																																		.35	
La Delle.....	James.....	.17	.75																																	.06	
Lead.....	Cheyenne.....	.12	.04																																	.58	
Lemmon.....	Grand.....																																			.99	
Marion.....	Missouri.....	.78	.03																																	.50	
Marston.....	do.....																																			.35	
Meadow.....	Grand.....	T.....																																		.17	
Mellette.....	James.....																																			.55	
Mennet.....	do.....	.97	.03																																.42		
Milbank    .....	Minnesota.....	.36	.45																																	.97	
Mitchell    .....	James.....	.05	.07																																	.37	
Mobridge.....	Missouri.....	T.....	</td																																		

TABLE 2.—*Daily precipitation for May, 1913. District No. 6—Continued.*

TABLE 2.—*Daily precipitation for May, 1913. District No. 6—Continued.*

Stations.	Watershed.	Day of month.																														Total														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31														
<i>Nebraska—Contd.</i>																																														
Exeter	Blue	.94	1.17	T.		15	1.18			T.	T.	.10		T.	.03		.25	2.13															5.95													
Fairbury	do	T.	1.87	.54	T.		T.	1.75	.72	.09	.22	.06	.02	.05		.14		2.48	.23	T.												8.17														
Fairmont	do		.30	.93	.12				.12	.17	.67	.12	T.		.06				1.62	.35											T.	4.46														
Falls City	Missouri		1.63	.08	.35					.21	.52	T.			.15				.19	.84													4.12													
Fort Robinson	White	.10																																3.50												
Franklin	Republican	.54	.33	.03						.50	.76																						2.53													
Fremont	Platte	1.30	.06								.28	.13																					4.88													
Fullerton	Loup	2.22								T.	1.20	.26																					4.93													
Geneva	Blue	1.66	.44	.02						T.	1.74	.49	T.			.11		.36			.38	1.90											7.14													
Genoa	Loup	1.40								T.	.07	.33	.21			.05		.45	.08			T.	T.	.60										3.45												
Gordon	Niobrara																																	3.77												
Gosper	Republican	1.38									.16	.24	.04	.03																			2.82													
Gothenburg	Platte	T.	.26	.25						T.	1.00	.12	T.			T.																	10.27													
Grand Island	do	.51	.75								.23	.44	.34																				T.	3.23												
Grant	Republican											.50	.04																					.31												
Greeley	Loup	1.41	.08								.31		.06	.31	.11																			3.63												
Guide Rock	Republican	.05	.05								.65	.80	1.80																					4.30												
Haiger	do																																													
Halsey	Loup	.01									.02	.03	.09																						3.18											
Hartington	Missouri	1.90	.35								.78	.60																							9.05											
Harvard	Blue																																													
Hastings	do	.27	.67	.04							.06	.10	.37	.09	T.			.02	.22			T.			.62	.38	T.							.08	T.	2.92										
Hayes Center	Republican																																													
Hay Springs	White	T.	.08							T.	T.	T.																										2.62								
Hebron	Blue	1.32	1.29	.02						T.																											6.45									
Hemingford	Niobrara	.07									.06	.30	.01	.04	.03																					96										
Hendley	Republican	1.20																																				2.76								
Hershey	South Platte	.02								T.	.02																											2.36								
Hillside	North Platte	T.	.02								.03	.01																									1.71									
Holdrege	Republican	.72																																					1.31							
Hooper	Elkhorn	1.00	1.10																																			5.55								
Hull (near)	North Platte	T.	.07																																				3.95							
Imperial	Republican	T.																																					T.	1.69						
Kearney	Platte	.49	T.																																				1.95							
Kimball	South Platte	T.																																					1.26							
Kirkwood	Niobrara																																						2.13							
Kowanda	North Platte	T.																																					1.98							
Lexington	Platte	1.25	.07	.01						T.																													2.17							
Lincoln	do	.84	.73	T.						T.																													T.	6.02						
Lodgepole	South Platte																																								1.24					
Loup City	Loup																																													
McCook	Republican	64	.62	.15																																					4.77					
McCool Junction	Blue	1.75	10							T.																														4.05						
Madison	Elkhorn																																								01					
Marquette	Blue	44	1.07	.02	T.																																			3.18						
Mary	Loup	.02								T.																														.80						
Mason City	do																																								1.58					
Minatare	North Platte	.03	.04							T.																														.29						
Minden	Blue	13	.18	.02	.02					T.																														7.45						
Mitchell	North Platte																																								2.26					
Nebraska City	Missouri																																													
Nelson	Blue	.33																																												
Norfolk	Elkhorn	1.55	.05																																											
North Loup	Loup	1.25																																												
North Platte	Platte	T.	T.																																											
Oakdale	Elkhorn	.50																																												

TABLE 2.—*Daily precipitation for May, 1913. District No. 6—Continued.*

TABLE 2.—*Daily precipitation for May, 1913. District No. 6—Continued.*

Stations.	Watershed.	Day of month:																														Total		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
<i>Kansas—Contd.</i>																																		
Valley Falls.....	Kansas.....	.55	.22	1.15							.30	.16		.20		.45		.70	.30														4.05	
Vinland.....	do.....	.04	.76	.72	.34					T.	T.	.15	.40		.06		.14	.27														2.88		
Wakeeney.....	Smoky Hill.....	.23								.10	.40	T.	.14						.09	.03	.48										1.53			
Wallace.....	do.....	.12				.03	.09	.18	.60	.17																					1.33			
Wamego.....	Kansas.....	1.56	.30	1.56					.50	.32	.72	.33		.37		.52	.50	T.													6.70			
<i>Missouri.</i>																																		
Amoret.....	Osage.....	.05	.95	.52					.04	T.	1.02					.11		.60	2.05													5.34		
Appleton City.....	do.....									T.	.20	.08					.08																0.94	
Arlington.....	Gasconade.....																																	2.38
Arthur.....	Osage.....	T.	1.15	1.00	.86						.33	.65					.95		.43	.55												4.99		
Avalon.....	Grand.....	15.1	1.00								.57	.30																					1.25	
Bagnell.....	Osage.....										.25																						3.40	
Bethany.....	Grand.....	.45	.76	1.12						.17	.60					.20		.10														2.50		
Bolivar.....	Osage.....	.25		.43	1.13						.55																						2.86	
Boonville    .....	Missouri.....		.17	.10	.28	T.				.04	.70	.55						.20	T.	.70												3.43		
Brunswick    .....	Grand.....	.21	.86	.09						.06	.35	.45							.41		.24	.71									3.00			
Clinton.....	Osage.....		.35	.35							.30	.80																					4.05	
Columbia.....	Missouri.....	.01	.17	.09						.14	.09	.40	T.				.04	.03	.04	.28	.11										1.43			
Conception.....	do.....	1.37	.27	.68						.31	.56	.06	.10	.07	T.			.20	.18	.22										2.00				
Crocker.....	Gasconade.....	.20									.02	.44	.16					T.														1.25		
Eldon.....	Osage.....	.12	.11	.46						T.	.60	.15						.07	.04													2.81		
Fayette.....	Missouri.....	.06	.25	.38						.22								.29		.51	.50	.26									0.91			
Fulton.....	do.....	.10								.10	.18	.37																				4.04		
Glasgow    .....	do.....		.32	.64							.32	.26							.48		.78	1.24									5.18			
Grant City.....	Grand.....	1.55	.30	.42						.40	.41	T.	T.	T.	T.	.20			.22		.28	.48	T.								6.50			
Harrisonville    .....	Osage.....	.05	.18	1.38	.12					.03	T.	.41	.36		.02			.20	.08	.06	.26									5.56				
Hazelhurst.....	Grand.....	1.18	.84	1.68						T.	.44								.79	.04											1.12			
Hermann    .....	Missouri.....		.06	.02	.34						.04	.16	.16	.04	T.				.06											1.26				
Houston.....	Gasconade.....		T.	.30	T.							.43																				2.11		
Jefferson City    .....	Missouri.....		.26		.42					.05		.35	.60						.08			.10									4.45			
Kansas City.....	do.....	0.3	1.31	1.08	.14						.17		.12	.10					.57		.55	.35									5.18			
Kidder    .....	Grand.....	0.21	.26	.77	.93						.37	.18	.28					.48		.06	.24	.47	.02									2.56		
Lamonte.....	Missouri.....		T.	.30	1.00	T.					.12	.20	.25					T.		.10	.25	.14	.20								3.98			
Lebanon.....	Osage.....		.25	1.0	.18							.25	.45																			3.64		
Lexington    .....	Missouri.....		.07	.09	.127	.05						.21	.22					T.														2.54		
Liberty.....	Osage.....		.05	.23	.84					T.	.22		.22					T.														4.71		
Lockwood.....	do.....																																5.29	
Marshall.....	Missouri.....																																4.43	
Maryville    .....	do.....		1.07	1.10	.20	.46						1.50	.26	.04				.07	.23												1.30			
Mount Vernon.....	Osage.....		T.	T.	1.31	T.						T.																				1.31		
Nevada.....	do.....		T.	.42	.65	.19					T.		.19	.61																		3.07		
Oregon.....	Missouri.....		1.69		.35						.60		.45	.16	.01	.13			.03		.16	.36	1.03								5.71			
Osceola.....	Osage.....			.22		.86	2.58																								5.29			
Pattensburg    .....	Grand.....	1.02	.67	.69						T.	.68	.10	.20						.34		.10										4.43			
Rolla.....	Gasconade.....			.02	.07	.48							.05	.37	.20																1.30			
St. Charles.....	Missouri.....																																0.56	
St. Joseph.....	do.....		T.	.79	.61	1.05						.15	.43	.10	T.	.26	T.			.14		.31	.77	T.							4.73			
St. Louis (1).....	Mississippi.....		T.	.16	T.	.09					T.		T.					T.		.07	.23	.02	T.								1.53			
St. Louis (2).....	do.....			.34	T.	.09																	T.								1.42			
Sublette.....	Chariton.....																															9.12		
Tarkio.....	Missouri.....			2.50																												6.19		
Trenton.....	Grand.....		T.	1.72	1.07	1.02							.38	.06	.08															6.09				
Unionville    .....	Chariton.....				1.40	.85	.63						T.	1.10	T.	.05														6.35				
Warrensburg.....	Missouri.....				.09	.94	.36							.07	.20	.21														2.64				
Warrenton    .....	do.....					.03	.02	.16																						0.95				
Warsaw.....	Osage.....		T.	.30	.40																										2.76			
Wheatland.....	do.....			.05	.55	2.20																									4.64			

\* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

||| Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures at selected stations for May, 1913. District No. 6, Missouri Valley.

Date.	Wyoming.														Montana.													
	Basin.		Cheyenne.		Fort Laramie.		Lander.		Newcastle.		Pathfinder.		Sheridan.		Yellowstone Park.		Billings.		Dillon.		Havre.		Helena.		Lewis-town.		Malta.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1....	44	28	36	31	41	32	33	28	50	35	43	27	40	30	39	25	55	32	44	32	52	22	47	24	50	20	55	20
2....	50	29	51	28	48	30	41	28	44	30	44	30	46	29	41	28	51	31	44	33	51	38	47	35	50	24	55	23
3....	68	34	53	29	68	30	56	26	60	26	55	28	60	26	48	23	64	28	48	36	46	35	49	33	50	34	54	33
4....	50	30	62	35	68	31	59	34	56	30	56	35	43	33	41	28	46	32	52	36	48	31	43	30	48	25	55	30
5....	56	30	56	31	61	36	61	35	56	32	64	31	51	36	52	28	55	34	50	32	55	25	47	34	50	21	51	27
6....	78	33	67	37	80	40	71	35	70	38	72	33	64	39	65	26	69	34	55	38	60	30	67	33	63	29	56	21
7....	80	42	70	38	83	34	73	40	72	40	75	37	71	42	65	37	72	44	64	39	58	35	59	42	62	39	65	36
8....	81	40	64	38	60	39	69	38	60	38	69	38	56	44	62	37	64	44	65	37	41	38	49	40	40	35	57	35
9....	79	40	46	38	53	39	69	39	52	36	71	39	66	43	67	35	58	40	63	36	55	38	60	39	54	35	54	35
10....	78	38	63	40	77	40	73	43	74	36	74	41	72	44	67	36	74	41	64	38	70	37	62	43	71	36	75	36
11....	80	42	72	41	77	40	67	41	75	46	69	46	66	41	56	38	72	38	68	38	59	45	58	39	59	40	55	20
12....	78	42	69	38	73	39	68	43	65	42	73	34	65	36	50	37	70	35	60	33	61	37	58	32	58	38	71	36
13....	80	45	61	43	59	45	64	41	60	48	68	38	63	41	44	30	58	45	59	32	53	42	40	60	40	53	34	
14....	76	41	48	34	55	40	62	34	52	38	58	34	61	33	48	27	60	35	63	34	61	27	57	39	52	30	46	34
15....	81	44	60	36	65	28	61	39	50	38	62	41	63	34	48	36	65	40	65	33	60	38	58	41	59	39	59	34
16....	76	40	60	41	70	34	66	39	52	34	66	46	55	38	48	32	62	41	59	32	54	41	52	39	53	34	54	34
17....	74	34	49	37	66	39	60	36	54	37	53	47	59	35	51	41	57	35	58	33	54	31	54	37	52	34	54	34
18....	70	36	70	43	76	41	67	43	52	44	70	43	48	39	39	31	45	42	56	38	54	39	44	37	42	37	57	36
19....	71	34	67	40	62	40	50	40	58	40	66	40	44	35	44	30	52	38	60	38	49	35	51	38	45	32	62	36
20....	70	36	53	34	66	37	60	35	56	35	62	36	58	33	45	32	64	34	65	35	58	32	59	30	61	40	55	36
21....	80	40	57	39	64	34	65	37	60	40	62	39	66	38	58	33	72	32	61	40	68	34	67	39	68	37	72	30
22....	84	46	68	36	73	35	74	37	70	38	72	35	75	33	68	34	82	36	58	42	77	44	74	45	74	36	77	40
23....	80	40	74	46	81	41	77	43	84	50	72	40	80	41	70	39	82	39	63	40	77	41	71	39	79	48	79	48
24....	84	42	76	49	78	47	78	47	80	54	74	51	75	53	66	41	81	48	65	38	79	46	73	42	87	53	85	56
25....	86	44	73	48	79	50	79	47	84	56	75	51	78	51	67	42	84	48	71	42	80	48	77	47	77	43	85	56
26....	88	40	78	47	83	41	82	47	87	58	82	48	82	46	75	42	89	44	78	40	83	53	87	53	85	47	88	58
27....	84	38	81	47	94	43	79	49	91	58	81	53	87	47	72	47	90	50	80	44	85	57	81	52	85	55	92	53
28....	90	40	77	48	92	46	83	53	90	64	79	53	84	52	72	43	86	50	81	44	82	56	72	50	83	47	87	66
29....	90	42	79	47	90	47	70	50	92	60	76	51	71	57	64	41	75	50	78	39	76	57	73	50	79	45	84	57
30....	88	42	70	49	83	48	69	50	76	54	74	49	77	56	73	41	85	54	79	42	81	49	79	49	81	48	86	58
31....	89	43	76	46	82	47	71	47	78	56	78	49	74	50	71	44	85	55	81	42	70	53	80	52	78	45	83	51
Mns..	76.2	38.7	64.1	39.8	71.4	39.1	66.5	40.1	66.5	43.2	67.8	40.4	64.2	40.7	67.4	34.6	68.2	40.4	63.1	37.2	63.2	40.1	61.5	41.2	61.7	36.8	69.1*	40.5*
Date.	Montana.														South Dakota.													
	Miles City.		Poplar.		Berthold Agency.		Bismarck.		Dickinson.		James-town.		Williston.		Aberdeen.		Ellington.		Huron.		Kadoka.		Kimball.		Pierre.		Rapid City.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1....	52	34	61	21	54	.....	48	32	49	30	44	31	51	29	48	34	47	31	47	36	48	35	50	36	45	37	39	33
2....	48	38	52	38	45	29	41	32	45	30	39	32	51	36	42	33	44	36	46	34	40	33	42	36	40	34	44	
3....	53	34	50	36	63	22	64	38	61	26	62	34	62	30	68	34	62	26	64	35	65	33	67	31	63	30	63	
4....	52	37	52	34	56	28	54	39	54	33	55	36	53	33	70	42	52	32	68	42	66	30	69	44	64	33	63	
5....	58	31	60	22	57	27	56	30	55	24	57	32	54	27	65	32	59	26	62	38	70	30	61	40	61	36	64	
6....	68	40	68	28	63	23	62	27	61	24	60	29	59	24	65	26	59	21	62	32	67	43	60	40	57	37	62	40
7....	71	46	67	32	61	30	66	35	62	31	61	36	61	35	70	34	67	32	70	45	75	48	74	45	76	36	77	40
8....	84	44	53	32	.....	49	32	56	30	52	29	47	30	60	35	51	32	58	43	60	39	63	42	55	41	53	38	
9....	54	42	52	36	56	32	54	39	48	32	57	33	51	42	60	35	43	32	56	41	46	38	57	43	42	34	44	
10....	75	43	78	38	68	43	64	44	70	39	64	35	74	44	68	40	68	37	65	44	63	45	58	39	65	46	70	
11....	69	54	69	49	74	43	78	46	72	44	67	42	69	48	65	45	70	45	68	46	78	50	63	43	76	47	73	
12....	68	44	65	38	71	36	74	43	70	36	75	48	62	46	68	38												

## MONTHLY WEATHER REVIEW.

MAY, 1913

TABLE 3.—Maximum and minimum temperatures at selected stations for May, 1913 District No. 6—Continued.

Date.	South Dakota.					Colorado.					Nebraska.										Lincoln.		North Platte.		Oakdale.		Omaha.			
	Sioux Falls. §§		Watertown. §§		Yankton.	Denver.		Wray.		Alma.		Bridgeport.		Grand Island. §§		Hay Springs.		Hebron.		Lincoln.		North Platte.		Oakdale.		Omaha.				
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.				
1....	61	46	41	34	72	40	46	38	75	39	79	50	51	38	70	61	52	34	86	63	85	54	70	39	58	41	85	56		
2....	64	37	48	34	58	40	45	34	57	36	70	48	57	44	73	52	54	34	80	55	79	50	48	36	63	41	79	53		
3....	60	38	57	34	57	38	56	35	66	32	61	39	65	27	57	39	62	26	55	44	60	45	67	31	59	38	65	46		
4....	70	39	68	34	69	41	69	36	77	35	71	37	71	32	68	51	58	33	59	47	60	48	75	43	72	38	60	49		
5....	63	43	63	38	63	45	69	38	66	40	67	40	60	38	63	46	68	36	63	47	62	48	63	42	63	46	62	52		
6....	68	33	46	30	64	38	73	40	74	39	70	35	72	43	66	39	78	38	67	36	66	40	64	42	68	36	67	46		
7....	73	38	65	34	69	52	77	48	78	45	74	45	78	42	67	46	70	36	68	45	67	51	75	47	67	47	67	50		
8....	50	46	57	38	58	49	65	45	78	40	82	49	72	46	76	49	64	40	78	52	78	54	74	46	66	50	77	54		
9....	58	38	52	36	56	41	50	43	70	44	70	44	47	33	52	50	42	36	60	50	56	49	50	42	50	41	54	47		
10....	64	38	62	37	57	38	66	44	58	42	52	45	58	40	46	44	52	37	50	43	50	41	49	43	45	43	50	42		
11....	60	40	60	42	62	45	79	44	86	52	60	48	82	48	60	44	78	48	68	42	66	44	64	46	59	42	64	46		
12....	76	48	74	46	76	52	76	47	70	45	74	54	75	45	74	46	74	39	73	53	77	52	72	54	76	50	80	54		
13....	60	50	61	40	63	52	64	50	68	55	74	53	67	50	72	54	65	44	78	63	78	58	72	53	64	51	70	57		
14....	52	48	45	40	56	50	52	38	63	45	73	52	55	38	70	52	50	37	80	55	82	55	58	42	57	51	77	55		
15....	65	42	64	37	65	45	67	39	75	32	74	39	70	31	74	44	63	31	68	47	68	50	74	36	89	45	66	50		
16....	75	40	61	39	78	53	72	43	82	38	85	50	74	46	83	48	63	41	80	49	81	54	78	45	78	51	79	54		
17....	66	43	60	43	65	46	55	43	70	46	76	52	78	46	70	51	62	40	67	55	68	53	68	47	67	56	68	50		
18....	60	40	53	31	53	46	78	46	80	45	75	42	78	46	71	52	70	43	70	45	73	49	64	44	64	44	68	50		
19....	50	42	43	38	52	44	76	46	80	50	95	59	68	48	85	53	55	39	81	50	50	85	47	60	48	75	51	75		
20....	50	41	46	36	52	46	57	42	69	43	80	45	65	39	60	49	55	38	59	52	63	50	59	43	50	42	63	51		
21....	43	48	41	53	45	66	42	69	38	70	36	67	39	66	40	60	33	64	43	62	43	63	38	59	39	57	48			
22....	60	61	41	60	46	71	42	76	39	70	43	81	40	66	47	69	34	62	42	60	44	72	43	59	38	58	46			
23....	77	39	79	37	80	42	82	45	82	38	80	36	83	42	89	42	84	40	70	41	81	43	78	35	69	46				
24....	68	47	57	43	74	52	80	55	90	54	82	52	83	51	75	53	79	51	78	53	88	58	71	55	75	56				
25....	60	47	60	43	64	53	83	50	91	54	87	55	81	52	79	57	80	50	57	79	58	82	56	72	57	74	60			
26....	72	47	75	45	74	55	83	52	91	48	88	52	93	44	82	55	85	49	76	56	75	59	88	52	81	55	72	57		
27....	92	50	90	50	92	62	84	56	92	49	96	55	98	59	90	60	94	58	95	55	98	56	92	59	91	60	87	60		
28....	94	63	88	55	92	70	85	51	93	54	96	65	93	51	91	69	88	58	90	67	92	68	92	60	90	69	90	70		
29....	93	63	90	59	96	66	91	53	96	49	102	60	92	50	98	63	85	52	94	63	93	69	96	66	98	60	99	70		
30....	80	62	89	61	81	65	71	56	91	61	90	60	84	55	87	66	77	60	88	64	90	69	85	61	83	62	90	70		
31....	84	54	79	52	83	60	84	50	89	55	95	59	84	55	91	65	83	58	90	67	90	65	87	59	86	61	86	67		
Mns.	67.5	44.84	63.2	40.9	67.5	48.9	70.1	44.9	77.5	44.6	78.0	48.5	73.3	43.5	73.6	51.1	68.1	41.3	73.3	51.5	73.6	52.3	73.0	47.0	68.4	47.9	72.0	53.8		
Date.	Iowa.					Kansas.					Missouri.																			
	Valentine, Nebr.		Clarinda. §§		Sibley.	Sioux City.		Colby.		Concordia.		Salina.		Topeka.		Wakeeney.		Columbia.		Kansas City.		St. Louis.		Unionville. §§						
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1....	42	36	85	54	74	53	71	46	76	46	85	64	89	57	83	61	84	58	86	60	83	61	82	60	81	50				
2....	38	32	82	48	64	39	69	51	62	40	80	57	85	64	80	61	73	57	83	60	83	63	84	60	85	56				
3....	65	30	72	53	55	41	52	41	64	36	59	48	74	49	71	55	60	41	73	63	70	59	81	65	76	60				
4....	66	42	65	48	64	38	59	45	70	41	61	50	68	48	65	55	70	40	77	60	77	62	82	58	75	56				
5....	59	38	59	54	63	43	64	45	64	44	64	47	65	51	61	50	69	44	73	56	73	58	79	55	85	55				
6....	62	43	67	36	65	31	64	38	66	41	67	41	67	41	68	39	67	49	66	48	67	53	64	64	76	36				
7....	74	49	69	38	67	37	67	49	77	45	70	48	74	45	69	48	76	46	69	44	68	50	67	48	66	40				
8....	56	43	76	46	50	46	63	50	84	46	79	54	79	55	73	52	76	53	78	48	75	65	70	54	70	45				
9....	48	39	55	50	57	38	56	43	74	46	70	54	79	57	74	54	74	53	74	49	72	51	73	49	56					
10....	54	44	48	40	60	38	57	40	64	46	64	54	66	46	60	53	54	45	65	48	49	39	51	40	58	38				
11....	80	46	60	37	65	42	63	47	82	52	73	44	89	57	84	61	84	52	81	56	82	52	86	46	65	45	60	33		
12....	71	46	79	46	75	53	74	50	79	55	84	46	80	56	82	55	78	48	81	53	77	50	76	44	80	38				
13....	59	47	83	48	59	50	64	52	78	47	86	66	85	66	89	65	87	60	89	60	87	64	87	58	80	50				
14....	56	46	88	52	5																									